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DOMINION OF CANADA
DEPARTMENT OF AGRICULTURE

THE MARKETING OF FRESH FRUITS AND VEGETABLES IN QUEBEC CITY

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Marketing Service - Economics Division

Dominion Department of Agriculture

in co-operation with

Horticultural Service

Quebec Department of Agriculture

and

Quebec Department of Trade and Commerce

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Table of Contents

	Page
Introduction.	1
Scope and Method of Study	2
Object of Study	3
General Analysis of Marketing of Fresh Fruits and Vegetables in Quebec City in 1939	3
Total Receipts of Fresh Fruits and Vegetables	3
Receipts by Marketing Agencies	3
Receipts by Commodity Groups	4
Receipts by Individual Commodities	4
Receipts by Origin of Produce	4
Receipts by Method of Arrival	6
Distribution of Sales to Ultimate Classes of Buyers in Quebec City	7
The Business of Quebec City Wholesalers	7
Monthly Volume and Value of Receipts	8
Monthly Volume of Receipts by Commodity Groups	8
Monthly Value of Receipts by Commodity Groups	10
Origin of Fresh Fruits and Vegetables	11
Direct and Indirect Purchases	12
Distribution of Sales	13
Distribution of Quebec Wholesalers' Sales to Country Points by County	13
The Business of Fruit and Vegetable Growers	14
Quebec City Retail Public Markets	14
Analysis of Sales of 191 Growers Selling Fresh Fruits and Vegetables on the Public Markets	15
Number and Value of Loads of Agricultural Products Brought to Quebec City	17
Number and Value of Loads by Counties	18
Total Sales of Fresh Fruits and Vegetables by All Growers Selling Such Commodities on the Public Markets	18
Sales of Fresh Fruits and Vegetables by Growers Not Using the Public Markets in Quebec City	19
Total Sales of Fresh Fruits and Vegetables by All Growers Selling Such Commodities in 1939	19
Distribution of Sales of Quebec Grown Fresh Fruits and Vegetables by Quebec City District Growers in 1939 . . .	20
The Business of Quebec City Retailers	21
Purchases by Hospitals and Institutions	24
Purchases by Hotels and Restaurants	24
Purchases by Other Agencies	25
Summary	26
Appendix	28

MARKETING OF FRESH FRUITS AND VEGETABLES IN THE CITY OF QUEBEC

Introduction

Important changes have taken place during the past twenty-five years in the marketing of fresh fruits and vegetables in most of the urban centres.

While there is still a considerable volume of agricultural commodities sold at retail by producers direct to consumers, a large proportion of this produce now reaches the city householders through retail agencies which must purchase their needs from wholesalers, jobbers, truckers and producers. This change in the consumer buying practices has been brought about by the desire on the part of the city families for greater services in obtaining their food requirements, and also, by the apartment house, the chain store, and the growth of residential districts distant from public market squares.

Growth of city population, relatively high purchasing power of city workers, and more widespread knowledge of the value of fresh fruits and vegetables in the diet, are all factors which have contributed in expanding the demand for such produce.

In response to this increased demand, the supply of fresh fruits and vegetables has been greatly enlarged and the area devoted to the production of these commodities has been very much extended. Motor trucks have to a considerable extent replaced horses as a means of getting these articles from the farm to the city. The motor truck has also made it possible for smaller centres of population to obtain from the larger city markets, fruits and vegetables that are not grown in the neighborhood, or grown in insufficient quantity.

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The authors gratefully acknowledge also the valuable assistance of Messrs. A. Gosselin, G. Boucher and H. Casselman of the Economics Division. The authors also wish to acknowledge the courtesy of the public market officials in Quebec City, wholesalers, jobbers, growers, hotel and restaurant managers, officials of the railway, steamship and trucking companies and to all others who co-operated by furnishing information requested of them.

The year round volume of fruits and vegetables shipped in by rail from distant areas has also been greatly enlarged.

Because of these new developments in production, transportation and marketing of farm produce, distribution within a city has become a complicated matter. To obtain information which would help in solving the problems which have developed as a result of the changed conditions in the marketing of fresh fruits and vegetables in cities in the Province of Quebec, studies have been conducted by the Dominion Department of Agriculture in co-operation with the Quebec Departments of Agriculture and Trade and Commerce.

In 1938, a study of the marketing of fresh fruits and vegetables was made in the City of Montreal. In 1939, similar studies were made in the Cities of Three Rivers, Sherbrooke and Quebec. This report contains information on the marketing of fresh fruits and vegetables in Quebec City.

Quebec City is one of the oldest cities of North America and was founded in 1608 by Samuel de Champlain. This capital city of the Province of Quebec is situated on the north shore of the Saint Lawrence River about 180 miles northeast of Montreal.

From the industrial and commercial points of view, Quebec City is next to Montreal, the most important centre in the Province of Quebec. With its suburbs Quebec City has now a population of almost 150,000 and is the metropolis of a vast territory extending north of the Saint Lawrence River from Three Rivers to Lake Saint John and south of the river from Lévis to Gaspé. Its commercial establishments serve the whole of this immense region and find therein a good market for the disposal of both natural and manufactured products (figure 1).

Scope and Method of Study

Information was obtained for the calendar year 1939, the survey being made during the last half of 1939 and the spring of 1940.

Wholesalers' figures were obtained directly from wholesalers' books. Car lot arrivals were obtained from the railway companies' records. Information from growers was obtained through personal interviews with representative individuals of the following groups concerned with the marketing of produce in Quebec City: (a) growers selling on the Quebec City public markets; (b) growers not selling on the Quebec City public markets but selling in Quebec City. Information from hotels and restaurants, hospitals and institutions was also obtained through personal interviews with the purchasing agents of these institutions.

As it was not possible in all cases to obtain actual figures, estimates were taken in certain instances. It is believed, however, that such information is sufficiently accurate to provide a reasonably complete picture of the marketing of fresh fruits and vegetables in Quebec City.

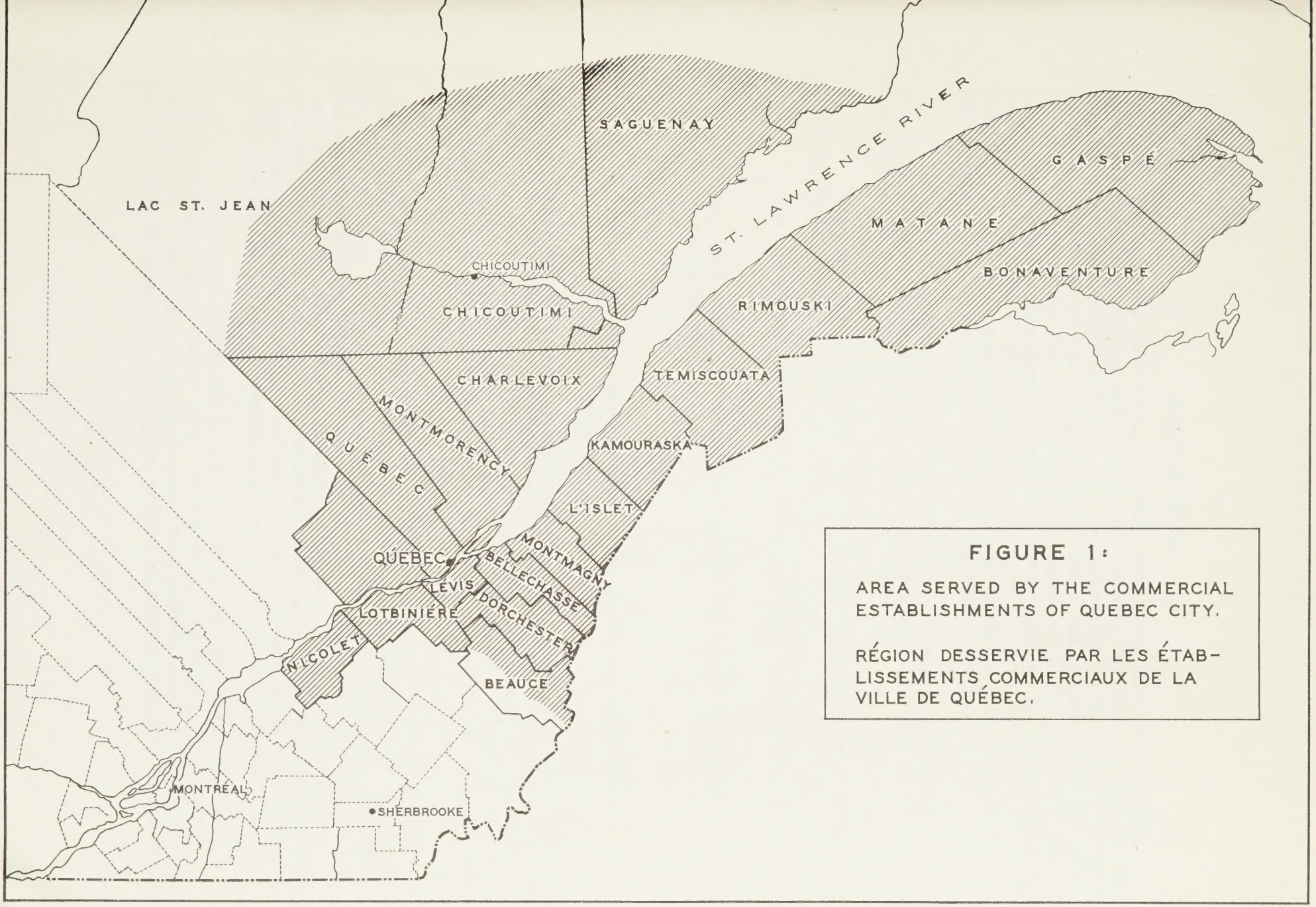

FIGURE 1:

AREA SERVED BY THE COMMERCIAL ESTABLISHMENTS OF QUEBEC CITY.

RÉGION DESSERVIE PAR LES ÉTABLISSEMENTS COMMERCIAUX DE LA VILLE DE QUÉBEC.

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Object of Study

The numerous data collected from growers and various marketing agencies, besides providing very useful and valuable information, will be used as basis to subsequent surveys that will be undertaken in view of obtaining a complete picture of the marketing of fresh fruits and vegetables in the whole province of Quebec, so far as to be able to adjust to a certain extent the production to the consumption. Many other advantages may be derived from these studies for the benefit of all groups interested in the distribution of fresh fruits and vegetables, either in providing new facilities for the sale of their produce or in improving the present marketing conditions.

The information contained in this report deals only with fresh fruits and vegetables unloaded in Quebec City and redistributed as fresh fruits and vegetables.

Whenever the term volume will be used in this report, it means physical volume.

For the purpose of analysis, this report is divided into 4 distinct parts:

General Analysis of Marketing of Fresh Fruits and Vegetables.
Marketing Agencies.
Summary.
Appendix.

General Analysis of Marketing of Fresh Fruits and Vegetables in Quebec City in 1939

Total Receipts of Fresh Fruits and Vegetables. - It has been estimated that approximately 87,000,000 pounds of fresh fruits, vegetables and potatoes were received in Quebec City in 1939. These products were valued at $2,055,432, this being the laid down cost in Quebec City. About 15 per cent of the total value represents the amount of produce re-shipped to points outside the City of Quebec.

Receipts by Marketing Agencies. - Wholesalers received 67.8 per cent of the total volume of fresh fruits and vegetables. This volume was valued at $1,575,795, laid down cost in Quebec City (tables I and II in the appendix). Quebec grown produce formed 27 per cent of the total volume but only 15 per cent of the total value of wholesalers' receipts. There is certainly a possibility of increasing this proportion of Quebec grown produce if growers improved the quality of their produce by more careful grading and better presentation of the different commodities they offer for sale (figure 2).

More than 13,000,000 pounds of fruits and vegetables were sold on the public markets of Quebec City. This produce was valued at $255,442. Independent retail stores received from local growers directly at the store door 3,280,900 pounds of local grown produce valued at $41,188. These figures

represent only the direct purchases of fresh fruits and vegetables from local growers and do not include the purchases by independent retail stores on the public markets or from Quebec City wholesalers. Hotels and restaurants, hospitals, institutions and other agencies received in 1939, 11,206,500 pounds of fresh fruits and vegetables valued at $183,007. Approximately 4 per cent of this volume and 13 per cent of this value represented products imported from other sources.

Receipts by Commodity Groups.- Of the 87,000,000 pounds of fresh fruits and vegetables received in Quebec City in 1939, potatoes accounted for 40 per cent, tree fruits for 29 per cent, vegetables 28 per cent, small fruits for 2 per cent and the balance was of a miscellaneous nature (table I in the appendix).

Of the total value of fresh fruits, vegetables and potatoes received in Quebec City in 1939 amounting to $2,055,432, tree fruits accounted for 44 per cent, vegetables for 29 per cent, potatoes for 23 per cent, small fruits for 3 per cent and the remainder represented produce of a miscellaneous nature (table II in the appendix and figure 3).

About 96 per cent of the volume of small fruits, 70 per cent of the volume of vegetables, 64 per cent of the volume of potatoes received in Quebec City in 1939 were grown in the Province of Quebec. On the other hand, this Province supplied only 8 per cent of the volume of all the tree fruits received in Quebec City in 1939.

Quebec growers seem to be supplying the Quebec City market very well with small fruits and vegetables but consideration might be given to the possibility of increasing the supply of Quebec-grown potatoes and tree fruits. It must be remembered, however, that only apples and plums are grown in the Province of Quebec and plums are grown to a very small extent. If Quebec growers wish to increase the supply of Quebec-grown tree fruits, apples offer the only possibility.

Receipts by Individual Commodities - The most important individual commodity received in Quebec City in 1939 was potatoes, more than 35,139,000 pounds of this commodity, valued at $481,922, were received (table III in the appendix). Apples ranked second in importance with a volume of 8,594,500 pounds and a value of $205,726. Bananas were next in importance with a volume of 6,169,100 pounds valued at $240,985 and then oranges with a volume of 4,720,900 pounds valued at $205,624. Six vegetables were ranked in order of importance, tomatoes with a volume of more than 4,000,000 pounds and a value of more than $163,000, and onions, lettuce, carrots, cabbage and turnips, each of which accounted for more than 2,000,000 pounds. Strawberries accounted for more than 80 per cent of the volume and 78 per cent of the value of total receipts of small fruits (figure 4).

Receipts by Origin of Produce.- Production of fresh fruits and vegetables is limited to a large extent by climatic conditions. The growing season in Eastern Canada is rather short and, as a general rule in the Province of Quebec, spring starts in April and the earlier fall frosts come in September. The local supply of fresh fruits and vegetables must be grown during these five months.

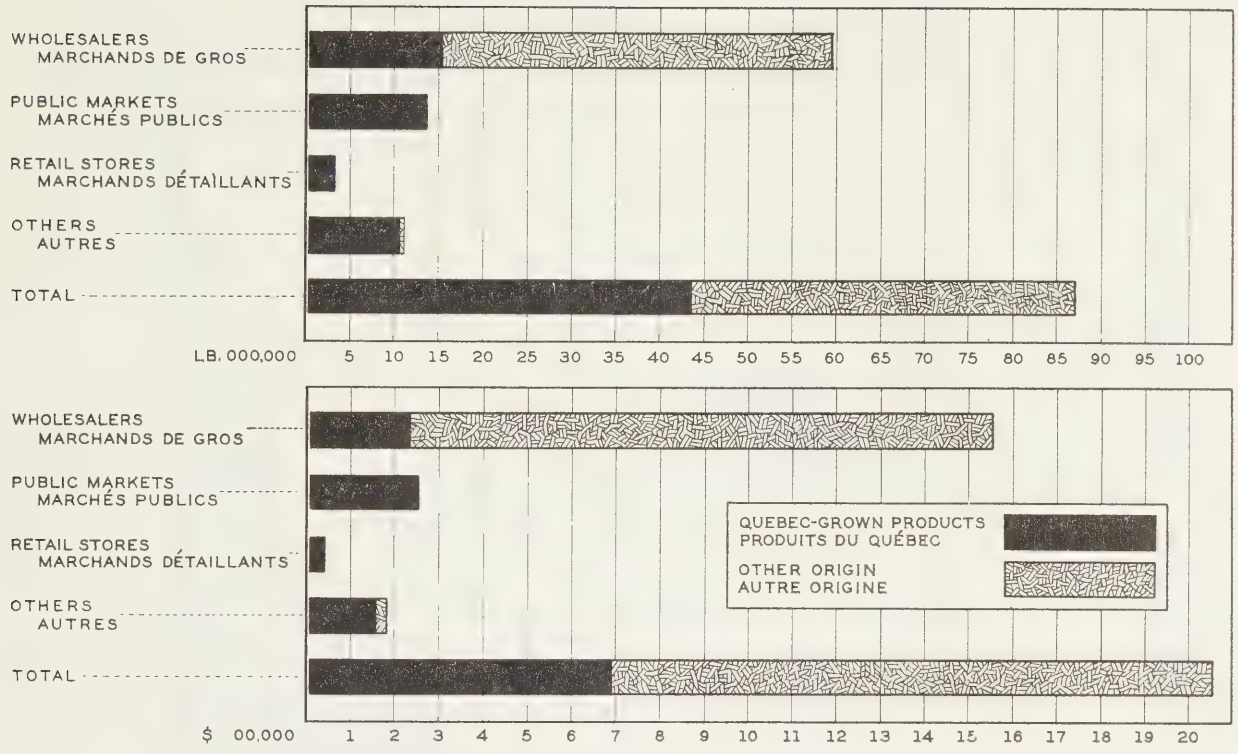

FIG. 2 VOLUME AND VALUE OF RECEIPTS OF FRESH FRUITS AND VEGETABLES BY DIFFERENT MARKETING AGENCIES IN QUEBEC CITY IN 1939.

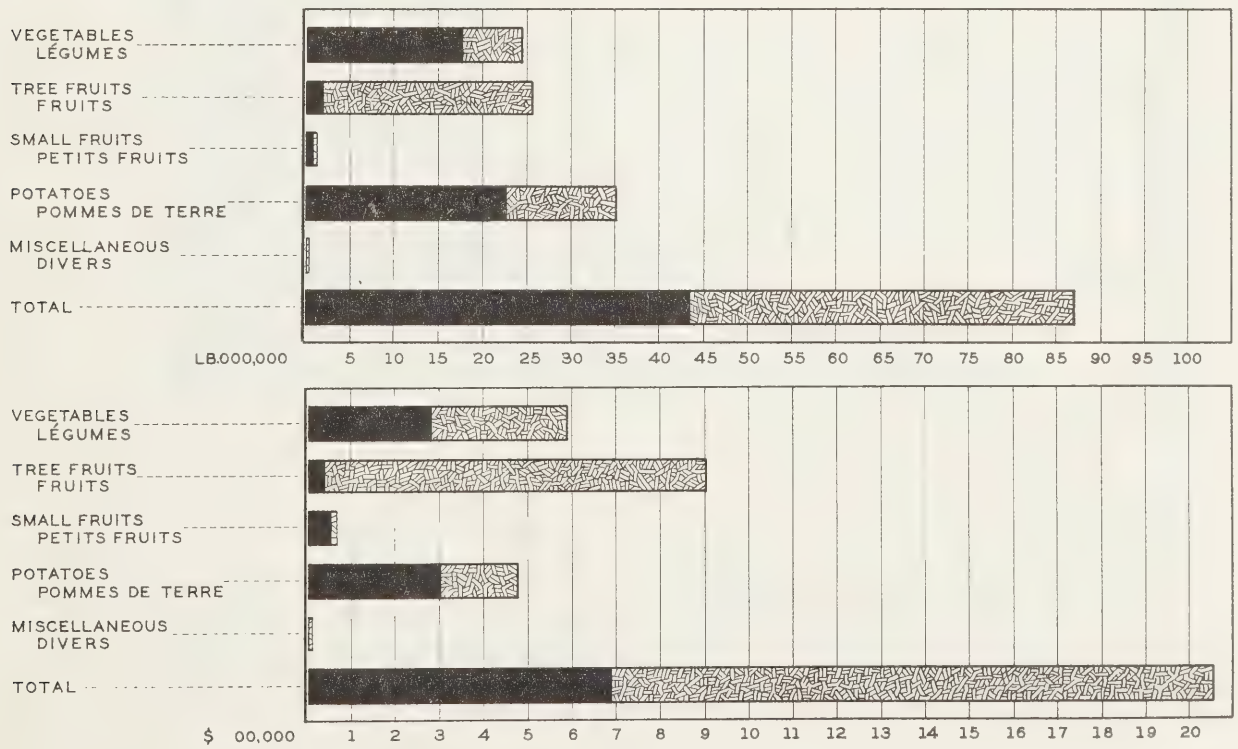

FIG.3 VOLUME AND VALUE OF RECEIPTS OF FRESH FRUITS AND VEGETABLES BY COMMODITY GROUPS IN QUEBEC CITY IN 1939.

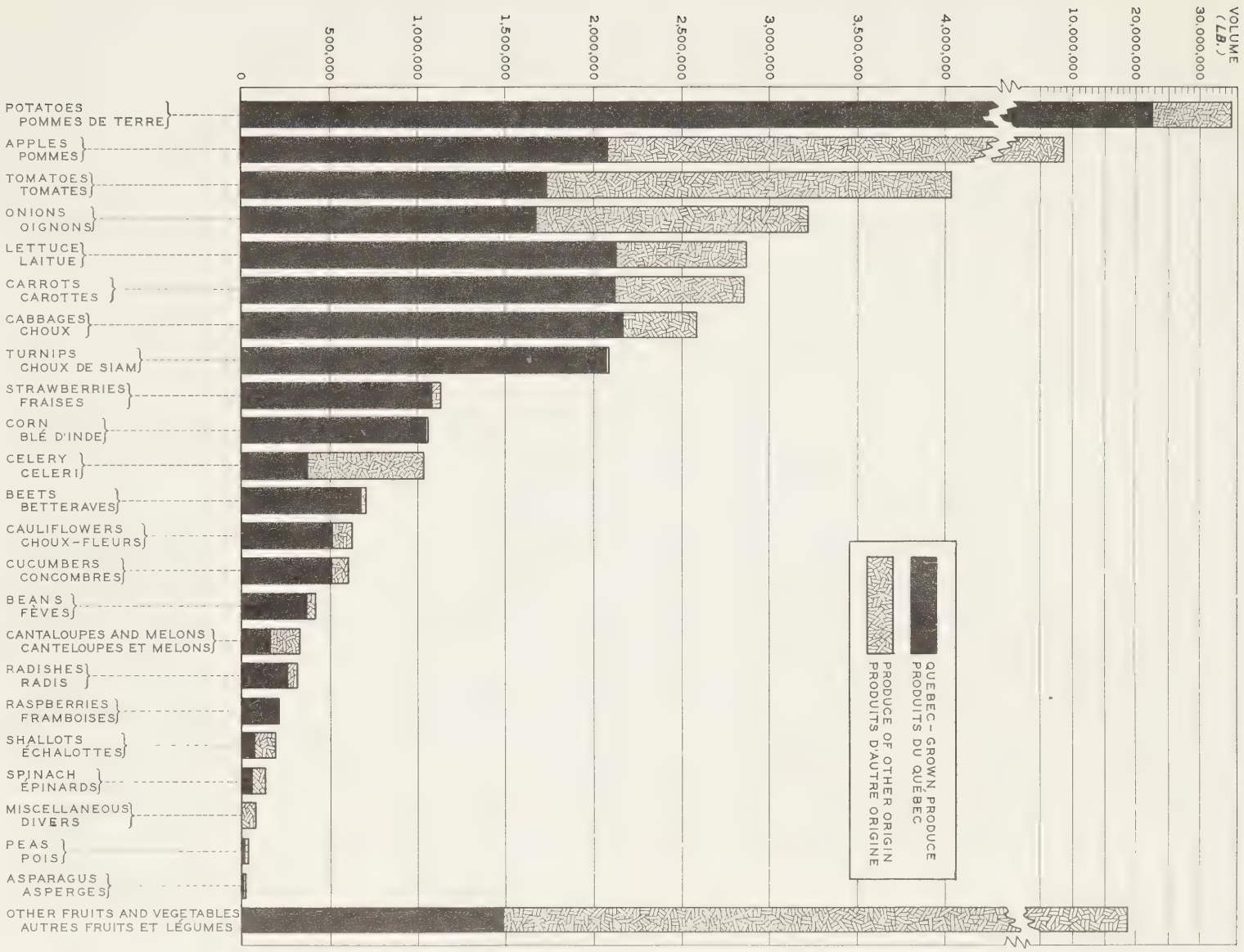

FIG. 4 VOLUME OF RECEIPTS OF INDIVIDUAL FRESH FRUITS AND VEGETABLES IN QUEBEC CITY IN 1939.

Storage facilities may extend the marketing season for such vegetables as carrots, beets, onions and turnips, and also for apples but there is always a considerable demand for green vegetables during the winter months and these vegetables must be imported from countries where a more favourable climate allows them to be grown. Citrus fruits and bananas must be imported at all times from outside sources.

The more important fruits and vegetables received in Quebec City in 1939 may be divided into two major groups; those that were imported and those that were grown locally. The second group could be further subdivided into fruits and vegetables of which there were no imports and fruits and vegetables for which local production had to be supplemented at certain seasons by receipts shipped in from areas outside the Province of Quebec.

Figure 5 shows the marketing season for local grown vegetables. Locally grown turnips, parsnips and potatoes were available the year round. Most of the other vegetables were available during the late summer and fall months. Some vegetables, such as cabbage, beets, onions and carrots were available in the fall and were also stored for a few months and put on the market in winter. Vegetables largely grown in the United States were supplied to Quebec City consumers mostly during the months when local products were not available.

Table 1.- Quebec Grown Produce as a Percentage of the Total Volume of Fresh Fruits and Vegetables Received in Quebec City in 1939

0	0-19.9 per cent	20-39.9 per cent	40-59.9 per cent	60-74.9 per cent	75-89.9 per cent	90-100 per cent
	Citrus Apricots Bananas Cherries Grapes Nectarines Peaches Pears Pineapples Quinces	plums	celery apples	cantaloupe and melons onions peas spinach tomatoes	asparagus carrots lettuce shallots potatoes	beans cabbage cauliflower cucumbers radishes	beets corn turnips strawberries raspberries

(For actual figures see table III in the appendix.)

Table 1 shows the part that Quebec-grown fruits and vegetables played in supplying the demand for such commodities in Quebec City in 1939. It will be seen that with the exception of celery and apples Quebec growers supplied 40 per cent or more of the volume of all fruits and vegetables that could be grown in the Province of Quebec. Prices of local products on the average were lower than prices of imported commodities; this is readily understood because locally-grown products are on the market when the supply is large.

Extension of the growing season either by very late or very early crops and improved storage facilities should enable local growers to have produce for sale when the supply is not so abundant and higher prices available.

Receipts by Method of Arrival.- Fresh fruits and vegetables are received in Quebec City by rail, truck and boat (table 2).

Table 2.- Method of Arrival of Fresh Fruits and Vegetables Received in Quebec City in 1939

Method of arrival	000 lb.	Percentage
Rail	52,286.8	59.9
Truck(1)	25,341.3	29.0
Boat	9,645.8	11.1
	87,273.9	100.0

(1) Includes a certain amount of produce brought to Quebec City by horse and wagon.

The Canadian Pacific Railway serves the north shore of the Saint Lawrence River and the Canadian National Railway the south shore. The Canadian National Railway crosses the Saint Lawrence River on the Quebec bridge and delivers produce in the city. The Saint Lawrence River is used for transportation between Montreal and Quebec as soon as the river is opened to navigation. Two main highways, the one on the north shore and the other on the south shore are used to a certain extent in transporting produce by motor-truck from Montreal and almost exclusively by local growers who sell their produce in Quebec City.

Nearly 60 per cent of the total volume of receipts of fresh fruits and vegetables in Quebec City in 1939 arrived by rail and carlot shipments accounted for almost 90 per cent of the receipts by rail. Railways operate the whole year round and it is to be expected that the receipts by rail should be higher than the receipts by the other methods of transportation. Many roads and highways are closed to transportation during the winter months and motor-truck receipts, therefore, account for only 29.0 per cent of the total receipts. A large percentage of this quantity represents commodities brought to Quebec City by local growers. The motor-truck total also includes a small amount of produce brought to Quebec City by horse and wagon.

Boat transportation is used mostly by Montreal wholesalers during the summer months and a certain number of growers transport their produce to Quebec City by schooners. Boat arrivals accounted for 11.0 per cent of total receipts of fresh fruits and vegetables.

The possibility of using any one of these three means of transportation results in an effort by transportation companies to furnish their services at the best possible rates. The railroads, for example, lower their rates to meet the competition of truck and boat transportation during the summer months.

FIG. 5 MARKETING SEASON OF QUEBEC GROWN VEGETABLES IN 1938 AND 1939.

Distribution of Sales to Ultimate Classes of Buyers in Quebec City. - Wholesalers and public markets are the two important channels of distribution for fruits and vegetables together with the growers direct sales to the different classes of buyers. It has been estimated that in 1939 the total value of sales of fruits and vegetables in Quebec City and the vicinity amounted to $2,462,936.

Sales of fruits and vegetables by wholesalers and growers to retailers accounted for 58 per cent of the total sales of $1,426,464 (table 3). More than 15 per cent of the fruits and vegetables valued at $381,264 were sold to country points in the vicinity of Quebec City. Sales of fruits and vegetables to hotels and restaurants amounted to $97,175 and sales to hospitals and institutions to $187,319. Consumers bought at their door directly from the farmers or on the public market places more than $250,000 worth of fresh fruits and vegetables.

Table 3.- Distribution of Total Sales of Fresh Fruits and Vegetables to Marketing Agencies in Quebec City in 1939

Marketing Agency	Value	Percentage
	$	%
Retailers	1,426,464	57.9
Country points	381,264	15.5
Hotels and restaurants	97,175	4.0
Hospitals and institutions	187,319	7.6
Consumers direct	254,092	10.4
Others	116,622	4.6
Total	2,462,936	100.0

The remainder, by value, were distributed by peddlers, truckers, pulp and paper companies, railway and steamship companies and similar agencies.

The Business of Quebec City Wholesalers

The function of a market is to assemble all the various commodities required by consumers and to offer these for sale through wholesalers, jobbers and retailers at prices which will enable them to re-sell at prices the consumer can afford to pay.

The wholesale fruit and vegetable trade in Quebec City is centred in the oldest part of the Lower Town and around the cliff upon which the Upper Town is built. The buildings occupied by the wholesalers are near railway sidings and in the vicinity of the steamship company terminals. By maintaining their premises in this location the costs of unloading car lots of produce and of transporting produce from the boat terminals to the wholesalers' warehouses or to storage places which are in the same district are kept at an economical level.

There are eleven wholesalers of fresh fruits and vegetables in Quebec City, six of whom are also dealing in other commodities such as fish, meat, groceries and so forth. These wholesalers act as importers and jobbers and practically have a complete control on imports from Canadian Provinces other than Quebec, or from outside Canada. They also handle a good percentage of Quebec-grown produce and buy regularly from wholesalers and through commission agents in Montreal.

Wholesalers constitute the most important agency in the distribution of fresh fruits and vegetables in Quebec City, and in 1939 their receipts of such commodities amounted to over 59,000,000 pounds valued at more than $1,500,000, laid down cost in Quebec City. The above figures represent respectively more than 67 per cent of the volume and more than 76 per cent of the value of all fresh fruits and vegetables received in Quebec City during the year.

Monthly Volume and Value of Receipts.- Figure 6 shows the combined volume and value of monthly receipts of fresh fruits and vegetables by Quebec City wholesalers in 1939.

On a volume basis, January and February were the low months of the year with a respective volume of 2,571,500 pounds and 2,568,100 pounds for each month respectively (table 4). Receipts increased gradually in March and April and then sharply in May and June, during these two months receipts were well over six million pounds. In July, August and September receipts dropped more than a million pounds from the June point and went to the monthly peak during the month of October with a volume of more than eight millions and a half pounds. Receipts then dropped sharply in the months of November and December to 5,625,100 pounds and 2,936,300 pounds for each month respectively.

On a basis of value, receipts followed a similar course. The low points of the year were January and February, a gradual increase taking place in March and April, followed by a sharp increase in May and June. June was the peak month of the year when the value of receipts was $212,188. Receipts dropped gradually in July and August, rather sharply in September, to rise abruptly to a value of $170,908 in October. Receipts then dropped to $124,087 in November and $98,100 in December.

Monthly Volume of Receipts by Commodity Groups.- On a basis of volume monthly receipts of citrus fruits were highest in December, namely, 1,262,700 pounds. It is during this month that the crop of "navel" oranges comes on this market (table 4). As citrus fruits come to the market in greatest abundance during the winter months the receipts were fairly regular during the months of January, February, March and April. They dropped off in May, increased again in June and July when lemons and limes are more abundant, then decreased gradually until the low point of the year was reached in the month of November with hardly more than 260,000 pounds being received (figure 6a).

Volume of receipts of fruits, other than citrus, increased steadily from the low point of the year, 266,600 pounds in February to the peak of the

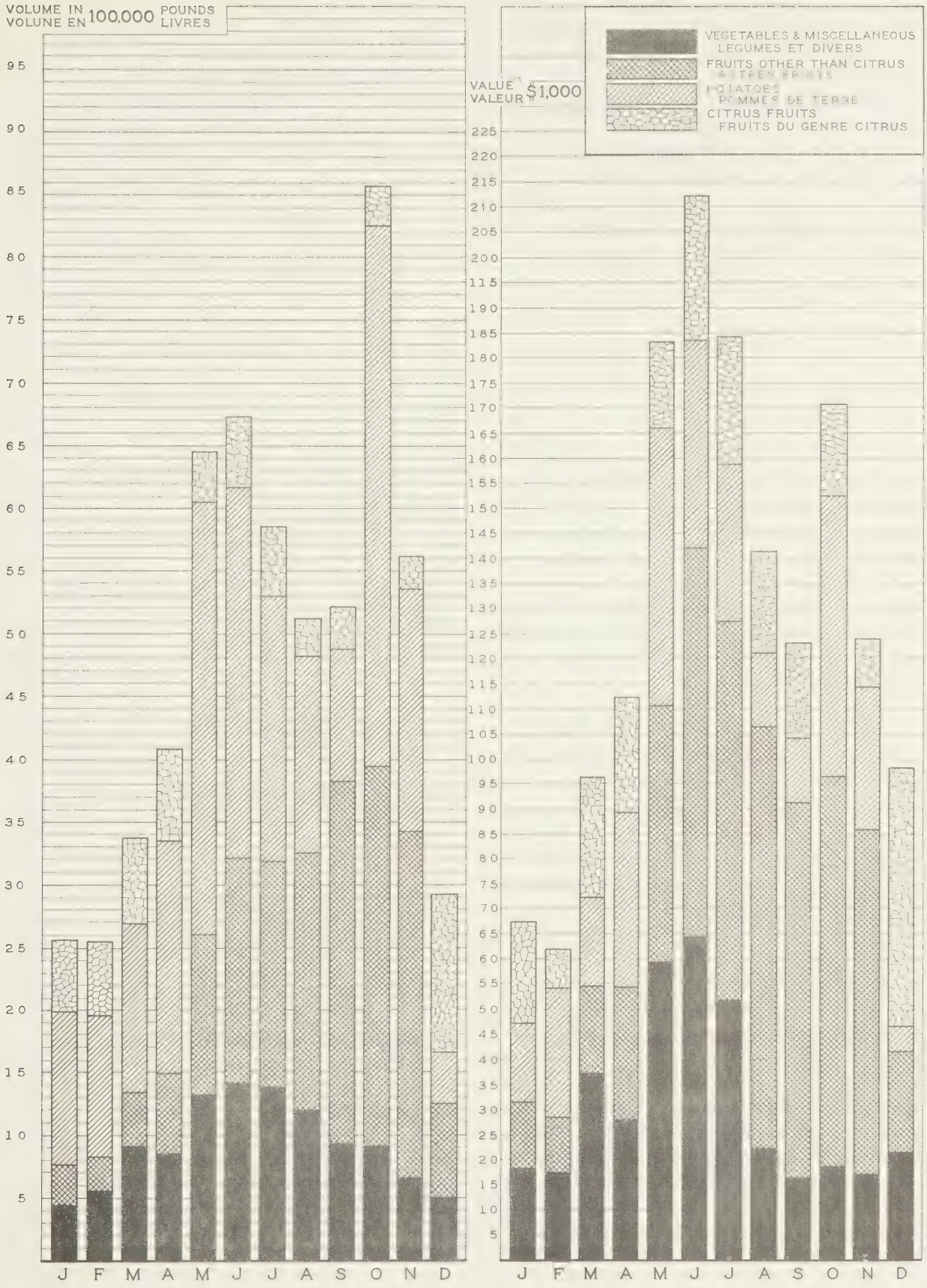
VOLUME IN 100,000 POUNDS
VOLUME EN LIVRES
VALUE $1,000
VALEUR
VEGETABLES & MISCELLANEOUS
LEGUMES ET DIVERS
FRUITS OTHER THAN CITRUS
POTATOES
POMMES DE TERRE
CITRUS FRUITS
FRUITS DU GENRE CITRUS
J F M A M J J A S O N D
J F M A M J J A S O N D

FIG. 6 MONTHLY VOLUME AND VALUE BY COMMODITY GROUP OF FRESH FRUITS AND VEGETABLES RECEIVED BY QUEBEC CITY WHOLESALERS IN 1939.

year, 3,046,900 pounds in October and dropped to 2,776,800 pounds in November and to 648,500 pounds in December. Receipts of bananas formed the bulk of the volume in May, June, July and August. Receipts of apples were most important in September, October and November while receipts of peaches and pears were at their peak in August and September.

Volume of receipts of vegetables started from a low point of 450,100 pounds in January, increased during February and March, decreased a little in April.

Table 4.- Monthly Volume, by Commodity Groups of Fresh Fruits and Vegetables Received by Quebec City Wholesalers in 1939(1)

Month	Citrus fruits	Other fruits	Vegetables and miscellaneous	Potatoes	Total	Percentage	
	000 lb.	000 lb.	000 lb.	000 lb.	000 lb.	Month	Season
January	570.6	333.2	450.1	1,217.6	2,571.5	4.4	
February	597.1	266.6	561.4	1,143.0	2,568.1	4.3	14.4
March	680.2	442.1	904.7	1,344.8	3,371.8	5.7	
April	641.2	642.6	857.0	1,951.8	4,092.6	6.9	
May	394.5	1,283.2	1,325.0	3,460.9	6,463.6	10.9	29.2
June	563.5	1,795.4	1,416.2	2,960.2	6,735.3	11.4	
July	562.9	1,811.8	1,376.7	2,112.9	5,864.3	9.9	
August	406.0	2,059.4	1,194.1	1,465.5	5,125.0	8.7	27.4
September	333.8	2,881.2	938.1	1,066.8	5,219.9	8.8	
October	325.4	3,046.9	906.6	4,307.7	8,586.6	14.5	
November	260.3	2,776.8	655.1	1,932.9	5,625.1	9.5	29.0
December	1,262.7	648.5	606.2	418.9	2,936.3	5.0	
Total	6,598.2	17,987.7	11,191.2	23,383.0	59,160.1		
Percentage	11.2	30.4	18.9	39.5	100.0	100.0	100.0

(1) For individual commodities refer to tables IV and IVa in the appendix.

Receipts sharply increased in May to reach the monthly peak of the year in June when more than 1,400,000 pounds were received. The volume of vegetables then decreased gradually until the end of the year, according to the volume of local grown produce coming on the market.

More than 1,200,000 pounds of potatoes were received during January, 1939; after a slight decrease in February, the volume of receipts of potatoes increased until May, decreased gradually during June, July, August and September and reached the monthly peak for 1939 in October with 4,307,700 pounds. Potato receipts decreased sharply in November to reach the lowest point of the year of 418,900 pounds in December. The peak of May corresponded to the marketing of that part of the 1938 crop which was stored and the peak of October was due

to the marketing of substantial part of the 1939 crop and a good proportion of this was probably stored.

Monthly Value of Receipts by Commodity Groups.- Value of total receipts of citrus fruits was estimated at $281,672 in 1939. Oranges formed 73 per cent of the total value of citrus fruits (table 5 and figure 6b). The monthly value of receipts of citrus fruits varied between $20,000 and $30,000 except in the month of May when they were valued at $16,883 and in the month of November when the low point of the year was reached the value was $13,603. In December receipts of citrus fruits were valued well above $50,000.

Table 5.- Monthly Value by Commodity Groups of Fresh Fruits and Vegetables Received by Quebec City Wholesalers in 1939(1)

Month	Citrus fruits	Other fruits	Vegetables and miscellaneous	Potatoes	Total	Percentage	
	$	$	$	$	$	Month	Season
January	20,169	13,552	18,196	15,603	67,520	4.3	
February	20,160	10,120	18,326	13,423	62,029	3.9	14.3
March	24,068	17,295	37,182	17,679	96,224	6.1	
April	23,328	26,243	28,073	34,971	112,615	7.2	
May	16,683	51,332	59,549	55,542	183,106	11.6	32.3
June	28,840	77,709	64,426	41,213	212,188	13.5	
July	25,172	75,774	51,748	31,476	184,170	11.7	
August	20,508	84,424	22,215	14,546	141,693	9.0	28.5
September	19,144	74,968	16,264	12,779	123,155	7.8	
October	18,569	78,088	18,492	55,759	170,908	10.8	
November	13,602	68,941	17,091	24,453	124,087	7.9	24.9
December	51,429	20,073	21,384	5,214	98,100	6.2	
Total	281,672	598,519	372,946	322,658	1,575,795		
Percentage	17.9	38.0	23.7	20.4	100.0	100.0	100.0

(1) For individual commodities, refer to tables V and Va in the appendix.

Receipts of tree fruits other than citrus accounted for 38 per cent of the total value of fresh fruits and vegetables received. Bananas accounted for 40 per cent and apples for 30 per cent of the total value of tree fruits received by wholesalers. In the seven months from May to November inclusive, receipts of tree fruits were highest in value. Bananas were most important from May till October. During September, October and November apple receipts were most important.

The value of vegetable receipts accounted for 23 per cent of the total value of all fruits and vegetables received and amounted to $370,546. Value of receipts of vegetables was highest during May, June and July when

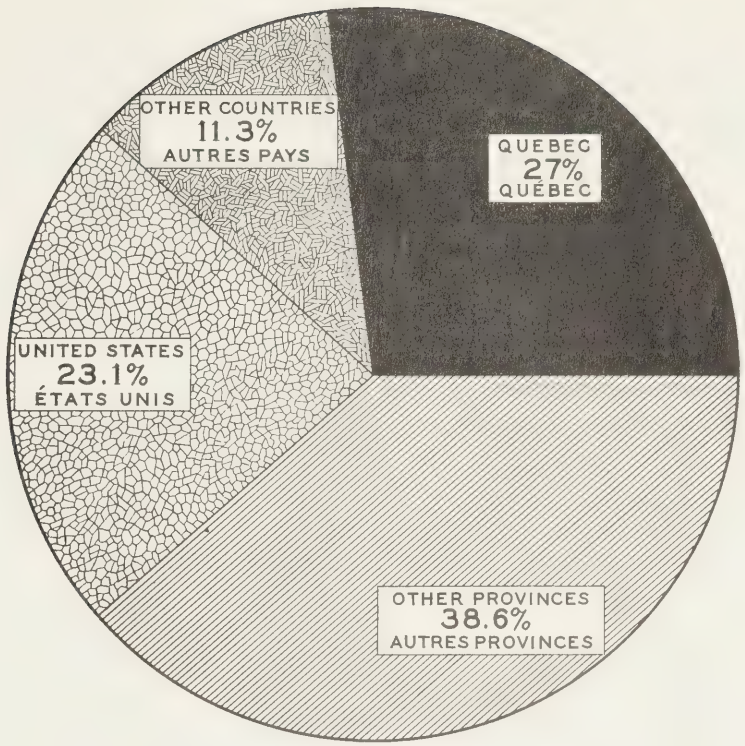

FIG. 7A ORIGIN OF RECEIPTS ACCORDING TO VOLUME OF FRESH FRUITS AND VEGETABLES BY QUEBEC CITY WHOLESALERS

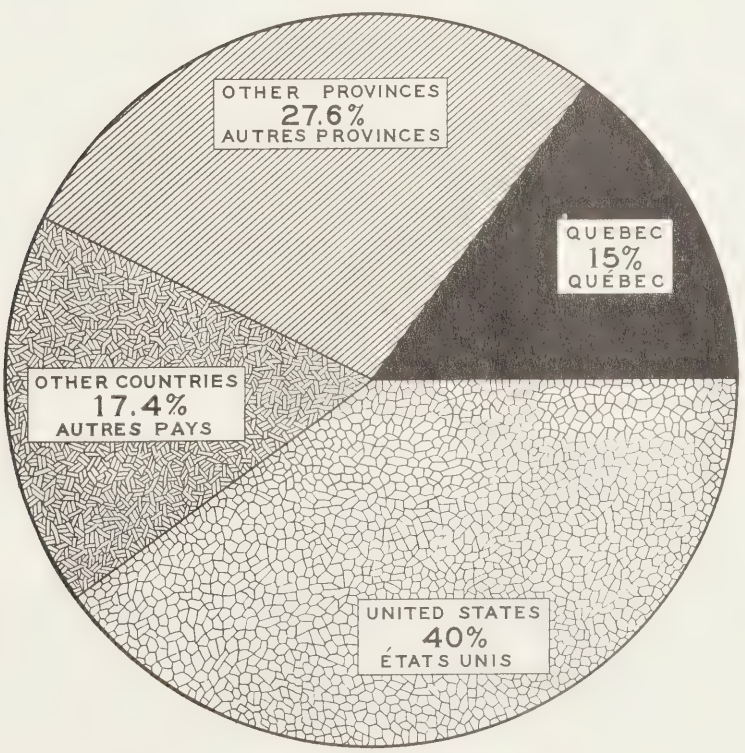

FIG. 7B ORIGIN OF RECEIPTS ACCORDING TO VALUE OF FRESH FRUITS AND VEGETABLES BY QUEBEC CITY WHOLESALERS

monthly receipts were estimated at more than $50,000; receipts in June were valued at $64,000. The value of vegetables received in September by wholesalers was less than in any other month of the year (figure 6b).

The value of potato receipts for the year amounted to $322,658, representing 20 per cent of the total value of all receipts of fruits and vegetables by wholesalers. The value of receipts of potatoes was highest during May and October and although in October the volume of receipts of potatoes was almost 1,000,000 pounds higher than in May, the value of receipts during these two months was practically the same.

Origin of Fresh Fruits and Vegetables - On a basis of volume, the Canadian provinces, other than Quebec furnished 38.6 per cent of the total volume of wholesalers' receipts, while the Province of Quebec furnished 27 per cent (figure 7a and tables VII and VIII in the appendix). The United States accounted for 23.1 per cent of the total receipts and other countries furnished the balance or 11.3 per cent of the total volume.

On a basis of value, produce from the United States formed 40 per cent of the total value of receipts, Canadian provinces other than Quebec accounted for 27.6 per cent, produce from other countries formed 17.4 per cent and Quebec-grown produce represented 15 per cent of the total value of receipts (figure 7b and tables IX and X in the appendix).

Canadian provinces other than Quebec supplied more than 45 per cent of the volume of the tree fruits, other than citrus, received in Quebec City in 1939. Countries other than Canada and the United States were second in importance and supplied almost 30 per cent, the United States slightly more than 16 per cent and the Province of Quebec a little over 6 per cent.

The largest proportion of the total volume of vegetables received, namely, 38 per cent, originated in the United States. The volume of Quebec-grown produce accounted for 35 per cent. Volume of vegetables received from Canadian provinces other than Quebec accounted for slightly more than 17 per cent while volume of vegetables received from other countries accounted for a little more than 9 per cent.

Canadian provinces other than Quebec supplied almost 53 per cent of the volume of potatoes received by Quebec City wholesalers, the Province of Quebec supplied 46.6 per cent and the other countries the balance.

Approximately 96 per cent of the total value of citrus fruits received by wholesalers was produce from the United States, mostly California, the rest of the value represents receipts from various countries.

The value of tree fruits other than citrus received by wholesalers in Quebec City was $598,519. Produce from Canadian provinces other than Quebec accounted for 35.5 per cent of this total, produce from various countries, other than Canada and the United States, for 34.8 per cent produce from the United States for 25.2 per cent while the Quebec-grown produce

accounted for only 4.5 per cent of the total value.

More than 55 per cent of the value of vegetables received by Quebec City wholesalers in 1939 came from the United States, Canadian provinces not including Quebec supplied 12.9 per cent, other countries 14.7 per cent while Quebec-grown produce represented 16.9 per cent of the total value of vegetable receipts.

Canadian provinces not including Quebec supplied more than 53 per cent of the total value of potatoes received while the value of potatoes grown in the Province of Quebec accounted for more than 45 per cent of the total value. United States supplied potatoes in very small amounts.

Direct and Indirect Purchases.- Quebec City wholesalers bought either directly from growers or shippers or indirectly from Montreal wholesalers.

Of the 59,160,100 pounds of fresh fruits, vegetables and potatoes valued at $1,575,795 purchased by Quebec City wholesalers in 1939, more than 80 per cent of the value and 83 per cent of the volume was purchased directly from growers or shippers, the rest of the total volume and of the total value being purchased from Montreal wholesalers.

Direct purchases, that is purchases of commodities shipped directly by growers or shippers, were estimated at 49,104,000 pounds valued at $1,273,476. Car lots accounted for more than 84 per cent of the volume and for more than 90 per cent of the value of direct purchases. Table XI in the appendix shows the car lot arrivals by origin and by commodity. Direct purchases arriving by truck were next in importance followed by direct purchases arriving by boat and finally direct purchases arriving l.c.l. freight and express.

Indirect purchases, or, in other words, purchases of products unloaded in Montreal by Montreal wholesalers and shipped by them to Quebec wholesalers amounted to 10,056,100 pounds valued at $302,319. These amounts represented respectively 17 per cent of the total volume and 19 per cent of of the total value of Quebec wholesalers' purchases. More than 58 per cent of the volume of purchases from Montreal wholesalers were delivered by boat, 23 per cent by truck and 18 per cent by rail, freight or express.

Table 6.- Distribution of Sales of Quebec City Wholesalers to the Different Marketing Agencies in Quebec City in 1939(1)

Marketing agencies	Value	Percentage
	$	%
Retailers	1,351,310	70.1
Country points	381,264	19.8
Hotels and restaurants	67,664	3.5
Hospitals and institutions	59,258	3.1
Other agencies	68,391	3.5
Total	1,927,887	100.0

(1) These amounts do not include sales between Quebec City wholesalers.

Distribution of Sales.- Quebec City wholesalers in 1939 sold fresh fruits, vegetables and potatoes for a value of more than $1,927,800 (table 6).

More than 70 per cent of this total were sales to retailers; almost 20 per cent were sales to country points, while hotels and restaurants, hospitals and institutions and other marketing agencies accounted for the last 10 per cent of the total.

Distribution of Quebec Wholesalers' Sales to Country Points by County.- Credit sales by wholesalers to buyers in points outside of Quebec City amounted to $381,264 (table 7 and figure 8).

Table 7.- Distribution by County of Credit Sales of Wholesalers to Buyers at Country Points, 1939

County	Total	Percentage
	$	%
Lévis	90,855	23.8
Montmorency	46,959	12.3
Chicoutimi	41,984	11.0
Charlevoix-Saguenay	41,314	10.8
Beauce	29,770	7.8
Montmagny l'Islet	19,443	5.1
Portneuf	14,578	3.8
Abitibi	13,364	3.5
Dorchester	7,761	2.0
Temiscouata	5,043	1.3
Others	70,193	18.6
Total	381,264	100.0

Thirty country points served by Quebec City Wholesalers purchased on credit, more than $2,000 worth of fresh fruits, vegetables and potatoes in 1939 (table 8).

Table 8.- Distribution of Credit Sales of Fresh Fruits and Vegetables by Wholesalers to 30 Different Country Points, 1939

Country points	Amount	Country points	Amount
	$		$
Ange Gardien	3,197	Courville	1,959
Amos	6,138	Charlebourg	5,745
Baie Comeau	2,777	Charny	3,037
Barraute	3,113	Chicoutimi	38,108
Beauceville	4,047	Giffard	4,627
Beauport	4,952	Gros Pins	3,217
Bienville	2,488	Joncquieres	2,377
Cap St. Ignace	6,886	Lauzon	25,822

Country points	Amount	Country points	Amount
	$		$
Lévis	54,492	Saint Georges	9,326
Loretteville	2,715	St. Grégoire	12,551
Montmagny	8,713	St. Joseph	2,171
Parent	3,746	Ste. Marie (Beauce)	4,996
Portneuf	3,381	St. Raymond	2,834
Riviére aux chiens	2,471	St. Romuald	2,580
Ste. Anne de Beaupré	12,161	Sept Iles	2,972

Quebec wholesalers sold to country points located in more than twenty-five counties. Sales to the four counties of Lévis, Montmorency, Chicoutimi, and Charlevoix-Saguenay accounted for 60 per cent of the total sales to country points.

The Business of Fruit and Vegetable Growers

In 1939, Quebec City district growers sold fresh fruits and vegetables to wholesalers or disposed of them by selling on the public markets, at consumers' homes, retailers' stores, institutions' doors or on the wharves along the Saint Charles River.

Quebec City Retail Public Markets.- Public markets, in most of the Canadian cities, have always played an important part in the distribution of perishable farm produce. The earliest public market in Quebec City was established in 1649, almost three centuries ago.

At one time most of the farm produce grown in the neighbourhood of the city was brought to the market for sale. The public market is no longer the only sale outlet for farmers, and although there are only small quantities of grain, hay, butter and cheese sold on the market place, growers still dispose of large quantities of poultry products, cream, flowers and especially fresh fruits and vegetables thereon.

In addition to the new Saint Roch market, there are two or three market places of secondary importance still used in Quebec City.

The new Saint Roch market was established some ten years ago when the City of Quebec decided upon its establishment to supply the population of the Saint Roch and neighbouring wards with farm products and replace the old Jacques Cartier and Palais markets. It is located on the banks of the Saint Charles River in a central place and provides a very good site for the marketing of agricultural commodities. Unfortunately, this market place lacks many facilities. The traffic in the streets leading to it is very heavy and the streets themselves are very narrow. The market is uncovered as yet. The space is inadequate and there is no central building. Those are all problems that will have to be solved with the gradual expansion of this market place.

The new Saint Roch market is administered by a syndicate of growers under the supervision of the Provincial Horticultural Service. There are 537 marked stalls on the market place, and during the summer this market is often used by more than 800 growers.

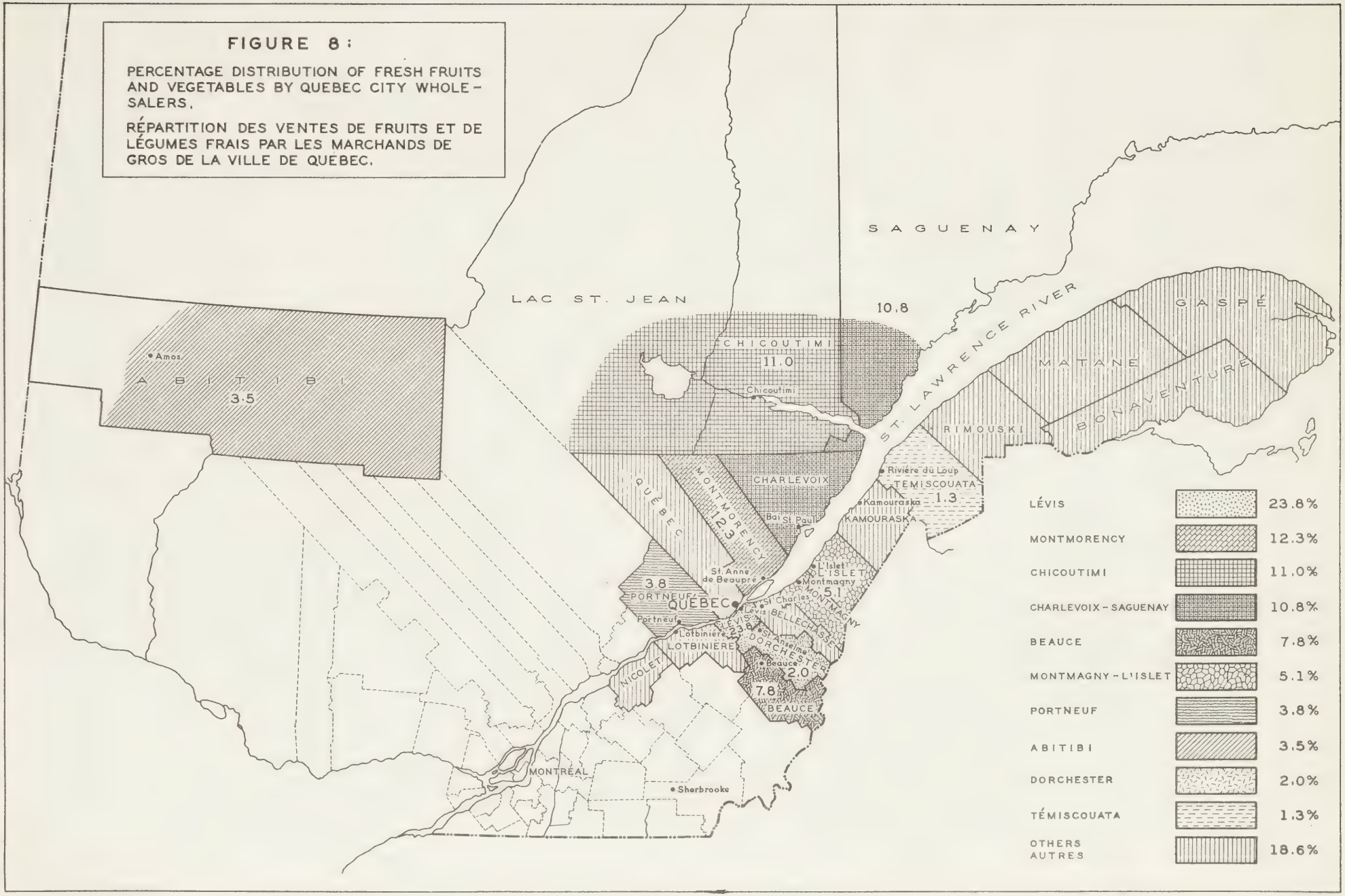
FIGURE 8:
PERCENTAGE DISTRIBUTION OF FRESH FRUITS AND VEGETABLES BY QUEBEC CITY WHOLESALERS.
RÉPARTITION DES VENTES DE FRUITS ET DE LÉGUMES FRAIS PAR LES MARCHANDS DE GROS DE LA VILLE DE QUÉBEC.
SAGUENAY
LAC ST. JEAN
ST. LAWRENCE RIVER
GASPÉ
MATANE
BONAVENTURE
RIMOUSKI
TEMISCOUATA
1.3
KAMOURASKA
Kamouraska
Rivière du Loup
10.8
CHICOUTIMI
11.0
Chicoutimi
ABITIBI
3.5
Amos
CHARLEVOIX
MONTMORENCY
12.3
QUEBEC
Baie St. Paul
St. Anne de Beaupré
3.8
PORTNEUF
QUÉBEC
Portneuf
L'Islet
Montmagny
L'ISLET
5.1
MONTMAGNY
St. Charles
Lévis
BELLECHASSE
23.8
LÉVIS
Lotbinière
LOTBINIÈRE
St. Anselme
DORCHESTER
Beauce
2.0
7.8
BEAUCE
NICOLET
MONTRÉAL
Sherbrooke
LÉVIS 23.8%
MONTMORENCY 12.3%
CHICOUTIMI 11.0%
CHARLEVOIX - SAGUENAY 10.8%
BEAUCE 7.8%
MONTMAGNY - L'ISLET 5.1%
PORTNEUF 3.8%
ABITIBI 3.5%
DORCHESTER 2.0%
TÉMISCOUATA 1.3%
OTHERS AUTRES 18.6%

Growers may use the Saint Roch market any day of the week, however, Tuesdays and Fridays are the busiest days. During the week, growers may use the market at any hour of the day or night, in fact, a great proportion of locally grown strawberries move during the night.

Growers who sell on the market must pay to the market clerk a fee of 35 cents per day from June to November, and 25 cents per day during the winter. Specialized growers pay a fee varying with the nature of the product they handle, and the fee is paid for each individual package.

Growers selling directly to consumers' home or to stores or to institutions must get a license which costs them $25 a year.

Growers selling on the wharves along the Saint Charles River must also pay a license of $25 every year and besides, they have to pay 1 cent for every bag of potatoes they carry on their schooners, and 50 cents a day for the use of the wharves.

Analysis of Sales of 191 Growers Selling Fresh Fruits and Vegetables on the Public Markets.- Information was obtained from 191 growers selling fresh fruits and vegetables on the public markets in 1939. The information obtained included an estimate of the year's sales by commodity, to whom sold, prices obtained and other pertinent facts.

The growers who furnished us with information were located in the following counties: Montmorency 49; Quebec 47; Lotbiniere 30; Lévis 21; Bellechasse 14; Portneuf 12; Megantic 10; Dorchester 8; total 191.

The total sales of all produce by the 191 growers were valued at $194,378 of which approximately 75 per cent or $144,707 worth represented fruits and vegetables (table 9). The volume of the fresh fruits and vegetables sold by these growers was estimated to be approximately 8,337,600 pounds.

Table 9.- Value and Volume of Sales of Quebec-Grown Farm Produce by 191 Growers Selling Fresh Fruits and Vegetables on the Quebec City Public Markets in 1939

Commodity group	Total value	Per cent	Total volume	Per cent	Value of sales on public markets
	$	%	000 lb.	%	$
Vegetables	77,290	53.4	4,515.4	54.2	64,680
Potatoes	35,728	24.7	2,674.0	32.1	31,522
Tree fruits	9,647	6.7	545.8	6.5	8,561
Small fruits	22,042	15.2	602.4	7.2	11,677
Total fruits and vegetables	144,707	100.0	8,337.6	100.0	116,440
Other produce	49,671				39,736
Grand total	194,378				156,176

Of the total volume of fruits and vegetables sold by these 191 growers 4,515,400 pounds were vegetables, 2,674,000 pounds were potatoes, 545,800 pounds were tree fruits and 602,400 pounds were small fruits (table 9).

The total value of fruits and vegetables sold by these 191 growers was $144,707 of which $77,290 represented vegetables, $35,728 potatoes, $22,042 small fruits and $9,647 tree fruits (table 9).

The most important counties supplying fresh fruits and vegetables were, in order of importance, Quebec, Portneuf and Montmorency. The counties of Montmorency and Quebec supplied 70 per cent of the potatoes sold by the 191 growers, and most of the tree fruits and small fruits sold by these growers came from Montmorency County (table XII in the appendix).

On a basis of volume, carrots were the most important vegetables sold by 191 growers selling fresh fruits and vegetables on the public markets (table 10).

Table 10.- Value and Volume of Fresh Fruits and Vegetables Sold by 191 Growers Selling Such Commodities on the Public Markets in Quebec City in 1939(1)

Commodities	Volume	Per cent	Value	Per cent
	000 lb.	%	$	%
Asparagus	2.4	.1	84	.1
Beans	60.8	1.3	1,763	2.3
Cabbage	564.0	12.5	5,914	7.7
Carrots	647.7	14.3	9,621	12.4
Cauliflowers	118.5	2.6	2,714	3.5
Celery	68.3	1.5	2,882	3.7
Corn	599.7	13.3	8,137	10.5
Cucumbers	99.9	2.2	1,946	2.5
Lettuce	311.0	6.9	7,732	10.0
Onions	321.5	7.1	9,303	12.0
Radishes	36.5	.8	2,315	3.0
Tomatoes	368.4	8.2	5,119	6.6
Turnips	399.0	8.9	4,091	5.3
Other vegetables	917.7	20.3	15,669	20.4
Total vegetables	4,515.4	100.0	77,290	100.0
Apples	544.3	99.7	9,602	99.5
Other fruits	1.5	.3	45	.5
Total tree fruits	545.8	100.0	9,647	100.0
Strawberries	513.7	85.3	18,124	82.2
Raspberries	86.0	14.3	3,790	17.2
Other small fruits	2.7	.4	128	.6
Total small fruits	602.4	100.0	22,042	100.0
Potatoes	2,674.0	100.0	35,728	100.0
Grand total	8,337.6		144,707	

(1) See appendix table XII for commodity volume and value by counties.

Next in importance was corn, followed by cabbage, turnips, tomatoes, onions and lettuce. On a basis of value the most important vegetables sold by these 191 growers were in order of importance, - carrots, onions, corn, lettuce, cabbage, tomatoes and turnips.

Number and Value of Loads of Agricultural Products Brought to Quebec City.- The 191 representative growers selling fresh fruits and vegetables on the Quebec City public markets brought 6,673 loads of agricultural produce valued at $194,378 to Quebec City (table 11).

Table 11.- Number and Value of Loads of All Produce Sold by 191 Growers Selling Fresh Fruits and Vegetables on the Public Markets in Quebec City in 1939(1)

Month	Number of loads		Value of loads	
	Number	Per cent	Value	Per cent
January	90	1.3	2,224	1.1
February	110	1.6	3,066	1.6
March	155	2.3	4,697	2.4
April	284	4.3	7,961	4.1
May	499	7.5	13,845	7.1
June	670	10.0	18,458	9.5
July	1,171	17.6	32,624	16.8
August	939	14.1	28,740	14.8
September	983	14.7	29,358	15.1
October	854	12.8	25,037	12.9
November	571	8.6	17,080	8.8
December	347	5.2	11,288	5.8
Total	6,673	100.0	194,378	100.0

(1) See also appendix table XIII for monthly number and value of loads by counties.

On a basis of number of loads and value, the months of July, August and September were the months of largest sales of all produce by these 191 growers and the months of smallest sales were January, February and March.

The local production is at its peak during the months of July, August and September. During the months of October, November and December growers store part of their crop. During January, February and March, roads are closed most of the time and the sales of the local growers are at the lowest point of the year. In March, April, May and June growers dispose of that part of the crop of the preceding year that was stored and also the early local production.

Number and Value of Loads, by Counties.- The 191 growers from whom information was obtained brought to Quebec City during 1959, an average of 35 loads of agricultural produce valued at $1,017.70. The average value per load was therefore $29.10 (table 12).

Growers from Quebec and Montmorency counties together accounted for over 50 per cent of the total number and value of loads brought to Quebec City by the 191 growers. The County average for number and value of loads varied from a high point of 49.2 loads valued at $1,310.90 in Quebec County to a low point of 17.8 loads valued at $928.00 in Megantic County. The county average value per load varied from $52.10 in Megantic County to $23.60 in Portneuf County (see also table XIII in the appendix).(1)

Table 12.- Number and Value of Loads of All Farm Produce by County Brought to Quebec City by 191 Growers Selling Fresh Fruits, Vegetables and Potatoes on the Public Markets of this City in 1959(1)

Counties	Number of growers	Total loads for county	Total value of loads for county	Average number of loads per grower	Average value of load per grower	Average value of loads
	number	number	$	number	$	$
Montmorency	49	1,446	40,160	29.5	819.60	27.80
Quebec	47	2,317	61,613	49.2	1,310.90	26.80
Lotbiniere	30	844	25,039	28.1	834.60	29.70
Lévis	21	876	25,077	41.7	1,237.00	29.60
Bellechasse	14	348	15,006	24.8	1,071.80	43.10
Portneuf	12	365	8,597	30.4	716.40	23.60
Megantic	10	178	9,280	17.8	928.00	52.10
Dorchester	8	299	8,706	37.3	1,088.20	39.10
Total	191	6,673	194,378	34.9	1,017.70	29.10

(1) For monthly number and value of loads refer to appendix table XIII.

Total Sales of Fresh Fruits and Vegetables by All Growers Selling Such Commodities on the Public Markets.- It was estimated that all growers selling fresh fruits and vegetables on the public markets in Quebec City in 1959 brought to Quebec City 8,076,100 pounds of vegetables valued at $169,559, 6,068,400 pounds of potatoes valued at $78,377, 1,057,900 pounds of tree fruits valued at $21,162 and 937,800 of small fruits valued at $48,355 (table 13).

The total volume of fruits and vegetables sold by growers using the public markets was 16,140,200 pounds of which 50 per cent were vegetables, 37.6 per cent potatoes, 6.6 per cent tree fruits and 5.8 per cent small fruits.

(1) It is worth while noticing that the number of loads decreases and value of loads increases in relation with the distance from the market.

Table 13. - Volume and Value, by Commodity Group, of Sales of Fresh Fruits and Vegetables by All Growers Using the Public Markets in 1939(1)

Commodity group	Total sales				Market sales				Percentage of market sales	
	Volume		Value		Volume		Value			
	000 lb.	%	$	%	000 lb.	%	$	%	%	%
Vegetables	8,076.1	50.0	169,559	53.4	6,653.4	48.8	141,893	55.5	82.4	83.6
Potatoes	6,068.4	37.6	78,377	24.7	5,532.1	40.6	69,152	27.1	91.2	88.2
Tree fruits	1,057.9	6.6	21,162	6.7	939.0	6.9	18,781	7.4	88.8	88.7
Small fruits	937.8	5.8	48,355	15.2	501.9	3.7	25,616	10.0	53.5	53.0
Total	16,140.2	100.0	317,453	100.0	13,626.4	100.0	255,442	100.0	84.4	80.5

(1) See appendix table XIV for details by commodities.

Total value of sales of fresh fruits and vegetables by growers using the public markets was $317,453 of which 53.4 per cent represented vegetables, 24.7 per cent potatoes, 15.2 per cent small fruits and 6.7 per cent tree fruits.

Market sales of all growers using the public markets amounted to 13,626,400 pounds valued at $255,442. Volume of market sales represented 84 per cent of the total volume of produce sold by these growers while market sales formed 80 per cent of the total value of produce sold by these growers.

Sales of Fresh Fruits and Vegetables by Growers Not Using the Public Markets in Quebec City(1). - A certain number of growers in the Quebec City district did not use the public markets but sold their produce to wholesalers or disposed of them at consumers' homes, retailers' stores, at institutions or on the wharves along the Saint Charles River.

It was estimated that produce sold by these growers amounted to 27,465,300 pounds valued at $375,225 (table 14).

On a basis of volume potatoes accounted for 60.4 per cent, vegetables for 34.4 per cent, tree fruits for 3.8 per cent and small fruits for 1.4 per cent of the total volume (table XV in the appendix).

Total Sales of Fresh Fruits and Vegetables by All Growers Selling Such Commodities in 1939(1). - Quebec growers sold in 1939 fruits and vegetables valued at $692,678, the volume of which was 43,605,500 pounds (table 15).

Vegetables formed approximately 40 per cent of the total volume and value of sales. On a basis of volume the five most important vegetables were cabbage, carrots, lettuce, turnips, tomatoes and onions (table XVI in the appendix). On a basis of value the five most important were carrots, onions,

(1) Includes purchases of Quebec wholesalers from growers through Montreal wholesalers.

Table 14.- Volume and Value, by Commodity Groups, of Sales of Fresh Fruits and Vegetables by Growers Not Using the Public Markets in Quebec City(1)

Commodity group	Volume	Value	Percentage Volume	Percentage Value
	000 lb.	$	%	%
Vegetables	9,447.8	112,752	34.4	30.1
Potatoes	16,579.3	224,708	60.4	59.9
Tree fruits	1,045.4	23,351	3.8	6.2
Small fruits	392.8	14,414	1.4	3.8
Total	27,465.3	375,225	100.0	100.0

(1) See appendix table XV for details by commodity.

tomatoes, lettuce, cabbage and corn. Potatoes accounted for 51.9 per cent of the volume and 43.8 per cent of the value of total sales of fresh fruits and vegetables by all growers. Almost 5 per cent of the total volume and 6.4 per cent of the total value of growers' sales were tree fruits, and apples accounted for practically 98 per cent of the volume and value of all the tree fruits sold by growers. More than 3 per cent of the volume and 9 per cent of the value of total growers' sales were small fruits. Strawberries accounted for almost 80 per cent of the volume and 81.4 per cent of the total value of small fruits.

Table 15.- Total Sales of Fresh Fruits and Vegetables by All Growers Selling Such Commodities in Quebec City in 1939 (Including Market Sales) (1)

Commodity group	Volume	Value	Percentage Volume	Percentage Value
	000 lb.	$	%	$
Vegetables	17,523.9	282,311	40.2	40.8
Potatoes	22,647.7	303,085	51.9	43.8
Tree fruits	2,103.6	44,513	4.8	6.4
Small fruits	1,330.6	62,769	3.1	9.0
Total	43,605.5	692,678	100.0	100.0

(1) See appendix table XVI for details by commodity.

Distribution of Sales of Quebec-Grown Fresh Fruits and Vegetables by Quebec City District Growers in 1939.- The total value of sales of fresh fruits and vegetables by all growers in Quebec City was estimated to $692,678 of which 36.9 per cent or $255,442 worth was sold on the Quebec City public markets, wholesalers purchased 34.1 per cent, retailers 5.9 per cent, consumers 7.9 per cent and other agencies 15.2 per cent (table 16).

Table 16.- Estimated Value of Sales of Quebec-Grown Fresh Fruits and Vegetables to Different Classes of Buyers by Quebec Growers in 1939

Type of produce	Total sales	Market sales	Wholesalers(1)	Retailers	Hotels and restaurants	Institutions	Consumers	Others
By value								
Vegetables	282,311	141,893	63,036	19,778	7,144	18,118	27,805	4,537
Potatoes	303,085	69,152	146,340	19,159	5,272	39,070	23,492	-
Tree fruits	44,513	18,781	22,661	59	230	1,941	460	381
Small fruits	62,769	25,616	4,116	2,192	2,178	7,399	3,219	18,049
Total	692,678	255,442	236,153	41,188	14,824	67,128	54,976	22,967
Percentage	100.0	36.9	34.1	5.9	2.2	9.7	7.9	3.3
By percentage								
Vegetables	40.8	55.5	26.7	48.0	48.2	27.0	50.6	19.8
Potatoes	43.8	27.1	62.0	46.5	35.6	59.1	42.7	-
Tree fruits	6.4	7.4	9.6	.1	1.6	2.9	.8	1.7
Small fruits	9.0	10.0	1.7	5.4	14.6	11.0	5.9	78.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(1) Includes purchases of Quebec wholesalers from growers through Montreal wholesalers.

Consumers bought about 78 per cent of all fruits and vegetables sold on the public markets, retailers bought more than 13 per cent and different marketing agencies, the balance (table 17).

In table 18 is shown the value of purchases of fresh fruits and vegetables by each class of buyer from all growers selling in the City of Quebec in 1939. Direct sales as well as public market sales are included. About 34 per cent of all fruits and vegetables sold by all growers in Quebec City was sold to wholesalers, 36.7 per cent was sold to consumers direct, 10.8 per cent to independent retail stores, 10.5 per cent to hospitals and institutions and the balance was distributed between hotels and restaurants, peddlers and other buyers.

The Business of Quebec City Retailers

In 1939 independent retail stores bought for $1,426,464 of fresh fruits and vegetables in Quebec City (table 19). More than 94 per cent or $1,351,310 worth were purchases from wholesalers, 2.4 per cent or $35,966 worth were purchases from growers on the public markets and 2.9 per cent or $41,188 worth were purchases from growers direct at store door.

Table 17.- Estimated Value of Quebec Grown Fresh Fruits and Vegetables Sold to Different Classes of Buyers on the Quebec City Markets by Growers in Quebec City District in 1939

Type of produce	Total sales	Consumers	Retailers	Peddlers	Institutions	Hotels and restaurants
	$	$	$	$	$	$
By value						
Vegetables	141,893	110,972	19,071	5,437	1,489	4,924
Potatoes	69,152	52,489	8,701	1,065	5,203	3,654
Tree fruits	18,781	16,336	2,071	57	159	158
Small fruits	25,616	19,319	4,123	63	610	1,501
Total	255,442	199,116	33,966	6,622	5,521	10,217
Percentage	100.0	77.9	13.3	2.6	2.2	4.0
By percentage						
Vegetables	55 5	55 7	56.1	82.1	27.0	48.2
Potatoes	27.1	26.4	25 6	16.1	59.1	35.8
Tree fruits	7.4	8.2	6.1	.9	2.9	1.5
Small fruits	10 0	9.7	12.2	.9	11.0	14.7
Total	100.0	100.0	100.0	100.0	100 0	100.0

Table 18.- Estimated Value of Sales of Quebec-Grown Fresh Fruits and Vegetables and Ultimate Buyers of These Commodities Sold by Quebec Growers in Quebec City in 1939

Type of produce	Total including market sales	Wholesalers	Independent retailers	Hotels and restaurants	Hospitals and institutions	Consumers	Peddlers	Others
	$	$	$	$	$	$	$	$
By value								
Vegetables	282,311	63,036	38,849	12,088	19,607	138,777	5,457	4,537
Potatoes	303,035	146,540	27,060	9,906	42,933	75,091	1,065	-
Tree fruits	44,[illegible]	20,081	3,130	388	2,100	16,796	57	381
Small fruits	62,709	4,116	6,315	3,079	8,009	22,538	63	18,049
Total	692,678	236,153	75,154	25,041	72,649	254,092	6,622	22,967
Percentage	100.0	34.1	10.8	3.6	10.5	36.7	.9	3.3
By percentage								
Vegetables	40.8	26.7	51.7	48.2	27.0	54.6	82.1	19.8
Potatoes	43.8	62.0	37.1	35.6	59.1	29.9	16.1	-
Tree fruits	6.4	9.6	2.8	1.5	2.9	6.6	.9	1.6
Small fruits	9.0	1.7	8.4	14.7	11.0	8.9	.9	78.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Table 19.- Purchases of Fruits and Vegetables by Independent Retail Stores in Quebec City in 1939

Agency	Value(1)	Per cent
	$	%
Wholesalers	1,351,310	94.7
Public markets	33,966	2.4
Direct	41,188	2.9
Total	1,426,464	100.0

(1) Laid down cost in Quebec City.

Purchases by Hospitals and Institutions

In 1939 it was estimated that Quebec City hospitals and institutions bought $131,907 worth of fresh fruits and vegetables (table 20). Of this amount, $59,258 worth or 44.9 per cent were purchases from wholesalers, $5,521 worth were purchases from the growers on the public markets and $67,128 worth were purchases from growers direct. In addition they used products grown on their own farms for a value of $55,412.

Table 20.- Purchases of Fruits and Vegetables by Hospitals and Institutions in Quebec City in 1939

Agency	Value	Per cent
	$	%
Wholesalers	59,258	44.9
Public markets	5,521	4.2
Growers direct	67,128	50.9
Total purchased	131,907	100.0
Value of fruits and vegetables produced on their own farms	55,412	
Grand total	187,319	

Purchases by Hotels and Restaurants

Hotels and restaurants in 1939 purchased fruits and vegetables to a value of $97,175 (table 21). More than 69 per cent of this total represented purchases from wholesalers, 11 per cent or $10,217 worth were purchases from growers on the public markets and 15 per cent or $14,824 worth were purchases from growers direct, and $4,470 worth were purchases from jobbers and shippers outside Quebec City.

Table 21.- Purchases of Fruits and Vegetables by Hotels and Restaurants in Quebec City in 1939

Agency	Value	Per cent
	$	%
Wholesalers	67,664	69.6
Public markets	10,217	10.5
Growers direct	14,824	15.3
Jobbers and shippers outside Quebec City	4,470	4.6
Total	97,175	100.0

Purchases by Other Agencies

Other agencies including pulp and paper companies, railway and steamship companies , truckers, peddlers, purchased fresh fruits and vegetables from different marketing agencies amounting in value to $113,622 (table 22).

Table 22.- Purchases of Fresh Fruits and Vegetables by Other Agencies in Quebec City in 1939

Agency	Value	Per cent
	$	%
Wholesalers	68,391	58.6
Market sales	6,622	5.7
Growers direct	22,967	19.7
Jobbers outside Quebec City	18,642	16.0
Total	116,622	100.0

Summary

Approximately 87,000,000 pounds of fresh fruits and vegetables, valued at laid down cost of $2,055,432, were received in 1939 in Quebec City.

Wholesalers' purchases totalled 59,160,100 pounds valued at $1,575,795. This formed approximately 68 per cent of the total volume and nearly 77 per cent of the total value of all fruits and vegetables received. Approximately 27 per cent of the volume and almost 15 per cent of the value of fruits and vegetables purchased by wholesalers were grown in the Province of Quebec. On a volume basis, tree fruits accounted for 41.3 per cent of all their purchases of fruits and vegetables while potatoes accounted for 39.5 per cent, vegetables for 18.8 per cent and small fruits and miscellaneous for only 0.4 per cent.

It was estimated that sale of Quebec-grown fruits and vegetables were valued at $692,678 in 1939. Sales to wholesalers accounted for 34.1 per cent of this total, sales to independent retailers accounted for 10.8 per cent, sales to hotels and restaurants for 3.6 per cent, sales to hospitals and institutions for 10.5 per cent, sales to consumers for 36.7 per cent and sales to peddlers and others for 4.2 per cent Local growers sold fruits and vegetables on the public markets valued at $255,442. Value of sales of potatoes amounted to $305,035, value of sales of vegetables to $282,311, value of sales of small fruits to $63,769 and value of sales of tree fruits to $44,513.

Information was obtained from 191 growers selling fresh fruits and vegetables on the public markets in Quebec City. The average number of loads brought to Quebec City by each of these growers was 35 and the average value of each load was $29.10.

Retailers purchased fruits and vegetables costing $1,426,464. Of this amount, 94.7 per cent was purchased from Quebec City wholesalers.

Hospitals and institutions purchased $131,907 worth of fruits and vegetables. Slightly more than 55 per cent of this total was purchased from local growers either directly or on the public markets. Hospitals and institutions also produced fresh fruits and vegetables valued at $55,412 on their own farms.

Purchases of fresh fruits and vegetables by hotels and restaurants totalled $97,175 in value, almost 70 per cent of which was purchased from wholesalers, in Quebec City and in other cities, mainly Montreal.

Purchases of other agencies including pulp and paper companies, railway and steamship companies and chain stores were valued at $116,622 in 1939.

Of the total receipts of fresh fruits and vegetables received in Quebec City in 1939 approximately 50 per cent by volume and almost 34 per cent

by value was grown in the Province of Quebec. On a volume basis, Quebec-grown vegetables formed 70.7 per cent, Quebec-grown tree fruits 8.1 per cent, Quebec-grown small fruits 95.8 per cent and Quebec-grown potatoes 64.4 per cent.

Receipts of fruits and vegetables by rail amounted to nearly 60 per cent of the total volume of receipts, receipts by truck accounted for 29 per cent and receipts by boat accounted for slightly more than 11 per cent.

Appendix

Table I.- Volume of Receipts of Fresh Fruits and Vegetables by Different Marketing Agencies in Quebec City in 1939

Marketing agency	Whole-salers	Public markets	Retail stores	Others	Total	Percentage of group	Percentage of total
	000 lb.	000 lb.	000 lb.	000 lb.	000 lb.	%	%
Vegetables							
Quebec Province	3,950.6	6,656.4	1,978.9	4,931.8	17,533.9	70.7	
Other sources	7,157.0	-	-	111.6	7,268.6	29.3	
Total					24,792 5	100.0	28.4
Tree fruits							
Quebec Province	1,002.6	939.0	2.9	158.8	2,103.3	8.1	
Other sources	23,430.9	-	-	342.2	23,773.1	91.9	
Total					25,870.4	100.0	29.6
Small fruits							
Quebec Province	94.8	501.9	42.8	691.1	1,330.6	95.8	
Other sources	57.6	-	-	1.3	58.9	4.2	
Total					1,389.5	100.0	1.6
Potatoes							
Quebec Province	10,909.4	5,532.1	1,256.3	4,949.9	22,647.7	64.4	
Other sources	12,473.6	-	-	18.5	12,492.1	35.6	
Total					35,139.8	100.0	40.3
Miscellaneous							
Quebec Province	-	-	-	-	-	-	
Other sources	74.4	-	-	1.3	75.7	100.0	
Total					75.7	100.0	.1
Total							
Quebec Province	15,956.6	13,626.4	3,280.9	10,731.6	43,605.5		
Other sources	43,193.5	-	-	474.9	43,668.4		
Grand total	59,160.1	13,626.4	3,280.9	11,206.5	87,273.9		100.0
Percentage	67.8	15.6	3.8	12.8	100.0		

Table II. - Value of Receipts of Fresh Fruits and Vegetables by Different Marketing Agencies in Quebec City in 1939

Marketing agency	Wholesalers	Public markets	Retail stores	Others	Total	Percentage of group	Percentage of total
	$	$	$	$	$	%	%
Vegetables							
Quebec Province	63,036	141,895	19,778	57,604	282,311	47.3	
Other sources	307,510	-	-	6,764	314,274	52.7	
Total					596,585	100.0	29.0
Tree fruits							
Quebec Province	22,661	18,781	59	3,012	44,513	4.9	
Other sources	847,151	-	-	13,665	860,816	95.1	
Total					905,329	100.0	44.1
Small fruits							
Quebec Province	4,116	25,616	2,192	30,845	62,769	90.8	
Other sources	6,263	-	-	128	6,391	9.2	
Total					69,160	100.0	3.4
Potatoes							
Quebec Province	146,340	69,152	19,159	68,434	303,085	62.9	
Other sources	176,318	-	-	2,518	178,836	37.1	
Total					481,921	100.0	23.4
Miscellaneous							
Quebec Province	-	-	-	-	-	-	
Other sources	2,400	-	-	37	2,437	100.0	.1
Total							
Quebec Province	236,153	255,442	41,188	159,895	692,678		
Other sources	1,339,642	-	-	23,112	1,362,754		
Grand total	1,575,795	255,442	41,188	183,007	2,055,432		100.0
Percentage	76.7	12.4	2.0	8.9	100.0		

Table III.- Receipts of Certain Fresh Fruits and Vegetables in Quebec City in 1939 and Percentages from Quebec Province

Commodity	Volume				Value			
	Quebec Province	Other origin	Total	Percentage from Quebec	Quebec Province	Other origin	Total	Percentage from Quebec
	000 lb.	000 lb.	000 lb.	%	$	$	$	%
Asparagus	14.4	8.9	23.3	61.8	1,230	836	2,066	59.5
Beans	371.7	48.8	420.5	88.4	7,372	3,668	11,040	66.8
Beets	687.2	20.3	707.5	97.1	11,520	922	12,442	92.6
Cabbage	2,170.9	411.8	2,582.7	84.0	23,743	11,726	35,469	66.9
Cantaloupes & melons	159.7	167.5	327.2	48.8	2,555	7,780	10,335	24.7
Cauliflowers	521.0	107.4	628.4	82.9	9,641	5,057	14,698	65.6
Carrots	2,126.9	732.5	2,859.4	74.4	34,164	25,714	59,878	57.0
Celery	376.4	656.7	1,033.1	36.4	12,920	30,481	43,401	29.8
Corn	1,059.6	0.4	1,060.0	99.9	23,508	19	23,527	99.9
Cucumbers	516.5	88.2	604.7	85.4	11,890	6,700	18,590	63.9
Lettuce	2,135.0	733.8	2,868.8	74.4	25,036	31,187	56,223	44.5
Onions	1,676.0	1,545.4	3,221.4	52.0	29,511	30,885	60,396	48.9
Peas	21.6	16.1	37.7	57.3	909	1,167	2,076	43.8
Radishes	259.4	55.8	315.2	82.3	6,317	2,674	8,991	70.3
Shallots	114.7	75.6	190.3	60.3	5,425	4,002	9,427	57.5
Spinach	58.6	77.5	136.1	43.1	1,270	2,937	4,207	30.2
Tomatoes	1,738.2	2,294.4	4,032.6	43.1	28,086	135,285	163,371	17.2
Turnips	2,087.5	0.6	2,088.1	99.9	17,422	18	17,440	99.8
Other vegetables	1,428.6	226.9	1,655.5	86.3	29,792	13,216	43,008	69.3
Total vegetables	17,523.9	7,268.6	24,792.5	70.7	282,511	314,274	596,585	47.3
Strawberries	1,083.1	48.2	1,131.3	95.7	48,921	5,065	53,986	71.0
Raspberries	210.8	-	210.8	100.0	12,379	-	12,379	100.0
Apples	2,077.8	6,516.7	8,594.5	24.2	43,470	162,250	205,720	21.1
Other fruits	62.2	17,267.1	17,329.3	3.5	2,512	699,885	702,397	3.5
Potatoes	22,647.7	12,492.1	35,139.8	64.4	303,085	178,837	481,922	62.8
Miscellaneous	-	75.7	75.7	-	-	2,437	2,437	-
Grand total	43,605.5	43,668.4	87,273.9	49.9	892,078	1,362,754	2,255,432	39.7

Table IV.- Monthly Volume, by Commodity, of Receipts of Fresh Fruits by Wholesalers in Quebec City in 1939
(000 lb.)

Commodity	Jan.	Feb.	March	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Oranges	404.9	446.7	447.[illegible]	486.8	216.2	427.5	316.4	297.0	256.3	200.7	163.6	1,053.6	4,720.9
Lemons	43.6	55.4	74.2	22.2	40.8	61.6	100.7	53.8	39.5	39.3	49.4	42.8	606.3
Grapefruits	120.4	92.5	136.2	129.9	137.3	74.4	144.4	55.0	47.8	92.1	45.7	161.7	1,259.5
Other citrus	1.7	0.5	0.5	0.3	0.2	0.0	1.4	0.2	0.2	0.3	1.6	4.6	11.5
Total citrus	570.6	597.1	658.2	641.2	394.5	563.5	562.9	406.0	333.8	332.4	260.3	1,262.7	6,598.2
Apples	172.3	145.8	228.6	246.4	240.7	269.9	257.9	127.0	824.7	2,076.3	2,431.5	478.0	7,499.1
Bananas	99.8	111.5	193.1	347.8	915.0	1,321.3	1,188.8	991.8	451.5	267.4	152.4	128.7	6,169.1
Cherries	-	-	-	-	0.9	19.1	28.9	11.0	-	-	-	-	59.9
Grapes	53.6	2.9	9.1	10.8	15.2	7.9	17.6	153.7	555.8	609.7	175.3	31.6	1,643.2
Peaches	-	0.1	0.2	-	0.4	18.2	35.4	380.7	878.1	48.9	-	-	1,362.0
Pears	3.3	4.1	5.3	4.8	4.8	9.4	59.8	268.6	83.4	24.9	4.7	7.5	480.6
Plums	.2	0.2	0.2	-	-	64.8	140.5	118.7	82.2	3.9	11.0	-	421.7
Pineapples	3.8	1.0	4.5	23.8	93.0	50.8	2.3	-	1.4	0.2	1.1	1.2	183.1
Strawberries	0.1	0.3	0.9	9.0	13.0	32.1	75.6	-	-	-	-	-	131.0
Others	0.1	0.7	0.2	-	0.2	1.9	5.0	7.9	4.1	15.6	0.8	1.5	38.0
Total other than citrus	333.2	266.6	442.1	642.6	1,283.2	1,795.4	1,811.8	2,059.4	2,881.2	3,046.9	2,776.8	648.5	17,987.7
Total fruits	903.8	863.7	1,122.3	1,283.8	1,677.7	2,358.9	2,374.7	2,465.4	3,215.0	3,372.3	3,037.1	1,911.2	24,585.9

Table IV-A.- Monthly Volume, by Commodity, of Fresh Vegetables and Total Monthly Volume of Fresh Fruits and Potatoes Received by Wholesalers in 1939 in Quebec City
(000 lb.)

Commodity	Jan.	Feb.	March	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Total fruit	903.8	863.7	1,122.3	1,283.8	1,677.7	2,358.9	2,374.7	2,465.4	3,215.0	3,372.3	3,037.1	1,911.2	24,585.9
Vegetables													
Asparagus	-	-	0.1	2.6	3.1	6.2	0.2	-	-	-	-	-	12.2
Beans	2.5	2.0	1.3	3.2	9.0	18.1	51.4	9.4	2.7	3.5	2.7	2.5	108.3
Beets	3.8	5.3	8.6	7.0	9.0	6.9	10.4	5.6	3.9	16.5	30.0	9.1	116.1
Cabbage	24.5	28.2	55.5	56.6	186.6	130.2	154.6	52.7	16.1	32.7	131.2	33.8	902.7
Cantaloupes and melons	-	0.1	-	0.1	3.1	58.5	47.4	44.8	19.0	0.4	0.3	-	173.7
Cauliflower	12.8	12.5	17.0	16.8	18.5	12.5	28.8	10.5	12.9	16.8	12.3	12.4	183.8
Carrots	44.0	77.6	215.3	94.5	190.2	199.8	176.9	36.3	98.9	78.4	76.5	134.4	1,422.8
Celery	51.7	52.2	175.4	76.7	102.6	85.8	20.4	25.0	13.8	37.5	50.8	105.2	797.1
Corn	-	-	-	-	-	-	7.9	47.2	6.4	0.2	-	-	61.7
Cucumbers	1.3	1.5	5.6	14.3	30.9	36.7	107.9	24.9	2.3	2.9	1.8	1.7	231.8
Lettuce	147.7	49.9	125.9	47.1	157.6	60.2	33.2	26.5	21.7	25.4	89.0	71.8	856.0
Onions	15.3	43.9	60.6	46.3	79.5	219.4	48.0	153.6	581.5	516.1	62.0	1.2	1,827.4
Peas	1.4	1.6	2.7	2.4	2.1	2.4	3.9	2.7	0.7	0.3	1.2	0.7	22.1
Radishes	3.0	5.0	6.7	18.1	11.6	0.6	0.3	0.3	0.3	0.4	4.7	8.1	59.1
Shallots	4.3	9.6	28.4	20.3	5.3	1.7	0.4	-	-	1.5	6.4	6.0	83.9
Spinach	9.0	11.8	13.1	10.7	15.8	5.0	2.2	1.4	0.6	1.5	10.4	10.4	91.9
Tomatoes	101.6	110.5	154.9	166.7	413.3	532.1	618.2	692.7	99.3	70.6	64.1	63.6	3,087.6
Turnips	13.4	94.5	12.2	233.7	65.0	26.2	32.4	33.0	35.3	73.9	100.4	129.2	849.2
Other vegetables	13.7	17.2	19.2	15.7	18.5	12.1	32.0	27.5	22.7	26.5	9.9	14.4	229.4
Total vegetables	450.0	423.4	907.0	932.8	1,321.7	1,414.4	1,376.3	1,194.1	938.1	905.1	653.7	604.5	11,116.8
Potatoes	1,217.6	1,143.0	1,344.8	1,951.8	3,460.9	2,960.2	2,112.9	1,465.5	1,066.8	4,307.7	1,932.9	418.9	23,383.0
Miscellaneous	0.1	38.0	2.2	24.2	3.3	1.8	0.2	-	-	1.5	1.4	1.7	74.4
Grand total	2,571.5	2,368.1	3,376.3	4,092.6	6,463.6	6,735.3	5,864.3	5,125.0	5,219.9	8,586.6	5,625.1	2,936.3	59,160.1

Commodity	Jan.	Feb.	March	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	$	$	$	$	$	$	$	$	$	$	$	$	$
Oranges	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15,891	15,770	15,674	12,340	[illegible]	[illegible]	205,624
Lemons	1,704	2,753	3,441	1,088	1,919	3,502	5,236	2,828	1,685	2,342	3,447	2,901	32,846
Grapefruits	3,701	3,070	5,534	4,179	4,247	2,611	4,749	1,902	1,777	3,560	1,702	5,472	42,504
Other citrus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	110	6	8	12	72	[illegible]	[illegible]
Total citrus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Apples	4,970	5,013	7,952	8,979	10,294	13,492	8,277	2,867	13,449	46,139	51,432	11,138	184,002
Bananas	4,158	4,353	7,596	13,364	34,581	51,847	47,168	38,621	16,674	10,304	6,347	5,972	240,985
Cherries	-	-	-	-	149	2,018	2,203	861	-	-	-	-	5,231
Grapes	4,050	284	1,023	1,647	1,920	1,005	1,665	8,579	16,506	17,744	10,189	2,296	66,908
Peaches	-	9	26	-	37	1,046	2,100	11,971	22,519	1,291	-	-	38,999
Pears	187	248	317	291	298	776	3,189	15,054	2,855	816	260	389	24,680
Plums	25	18	19	-	-	2,353	7,720	5,969	2,634	125	547	3	19,413
Pineapples	126	44	188	927	2,655	2,537	88	-	59	14	58	67	6,763
Strawberries	16	52	159	1,035	1,362	2,459	3,036	-	-	-	4	-	8,123
Others	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	502	272	1,655	104	208	3,415
Total other than citrus	13,552	10,120	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68,941	20,075	[illegible]
[illegible]	33,721	30,280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82,543	71,502	[illegible]

Table V-A.- Monthly Values, by Commodity, of Fresh Vegetables and Total Monthly Value of Fresh Fruits and Potatoes Received by Wholesalers in 1939 in Quebec City

Commodity	Jan.	Feb.	March	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	$	$	$	$	$	$	$	$	$	$	$	$	$
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	880,191
[illegible]	-	-	[illegible]	[illegible]	[illegible]	819	[illegible]	-	-	0	-	-	1,107
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	2,100	1,914	[illegible]	100	[illegible]	[illegible]	[illegible]	5,826
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	106	47	[illegible]	[illegible]	[illegible]	2,148
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	128	[illegible]	1,260	[illegible]	17,897
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	-	8,048
and melons	-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6,967
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33,548
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34,670
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-	-	-	1,264
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12,181
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34,577
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36,890
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,452
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2,866
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4,143
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3,307
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	149.80
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4,869
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9,806
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	37,022	27,599	59,475	64,400	51,745	22,215	16,264	18,162	16,849	21,144	370,546
[illegible]	15,803	13,423	17,679	34,971	55,542	41,213	31,476	14,546	12,779	55,759	24,453	5,214	322,658
[illegible]	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	-	-	330	242	240	2,400
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table VI.- Percentage by Month and by Commodity Group of Purchase by Wholesalers in Quebec City in 1939

Month	Citrus fruits	Other fruits	Vegetables	Potatoes	Miscellaneous	Total
	%	%	%	%	%	%
By volume						
January	8.6	1.8	4.0	5.2	0.1	4.3
February	9.0	1.5	4.7	4.9	51.1	4.3
March	10.4	2.4	8.1	5.8	3.0	5.7
April	9.7	3.6	7.5	8.3	32.5	6.9
May	6.1	7.2	11.9	14.8	4.4	10.9
June	8.5	10.0	12.7	12.7	2.4	11.4
July	8.5	10.2	12.4	9.0	0.3	9.9
August	6.2	11.4	10.7	6.3	-	8.7
September	5.0	16.0	8.5	4.6	-	8.8
October	4.9	16.9	8.2	18.4	2.0	14.5
November	3.9	15.4	5.9	8.3	1.9	9.6
December	19.2	3.6	5.4	1.7	2.3	5.0
Total	100.0	100.0	100.0	100.0	100.0	100.0
By value						
January	7.2	2.3	4.9	4.8	1.4	4.3
February	7.2	1.7	4.7	4.2	34.1	3.9
March	8.5	2.9	10.0	5.5	6.6	6.1
April	8.3	4.4	7.4	10.8	19.7	7.1
May	5.9	8.6	16.1	17.2	3.1	11.6
June	10.3	12.9	17.4	12.8	1.1	13.5
July	8.9	12.6	14.0	9.8	0.1	11.8
August	7.2	14.2	6.0	4.5	-	9.0
September	6.8	12.5	4.4	4.0	-	7.8
October	6.7	13.0	4.9	17.3	13.8	10.8
November	4.8	11.5	4.5	7.5	10.1	7.9
December	18.2	3.4	5.7	1.6	10.0	6.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table VII.- Volume According to Origin of Fresh Fruits Received by Quebec City Wholesalers in 1939
(000 lb.)

Origin	Oranges	Lemons	Grape-fruits	Other citrus	Apples	Bananas	Grapes	Peaches	Pears	Plums	Straw-berries	Others	Total
British Columbia	-	-	-	-	648.1	-	-	-	11.1	1.8	-	[illegible]	704.0
New Brunswick	-	-	-	-	1,082.7	-	-	-	-	-	-	-	1,082.7
Nova Scotia	-	-	-	-	1,104.5	-	-	-	-	-	-	-	1,104.5
Ontario	-	-	-	-	3,042.7	-	1,[illegible]	1,[illegible]	106.0	129.9	[illegible]	[illegible]	5,659.2
Quebec	-	-	-	-	982.5	-	-	-	-	20.1	9[illegible]	[illegible]	1,[illegible]
Total Canada	-	-	-	-	6,860.9	-	1,077.[illegible]	1,257.9	123.1	166.[illegible]	[illegible]	[illegible]	[illegible]
Arkansas	-	-	-	-	-	-	-	9.2	-	-	-	-	-
Arizona	-	-	.6	-	-	-	-	-	-	-	-	-	-
California	4,630.8	536.6	94.9	1.0	-	-	[illegible].4	94.9	247.0	254.[illegible]	-	[illegible].5	6,353.7
Delaware	-	-	-	-	127.7	-	-	-	-	-	-	-	127.7
Florida	55.9	-	900.5	8.9	-	-	-	-	-	-	-	-	965.1
Illinois	-	-	-	-	47.0	-	-	-	-	-	-	-	47.0
Oregon	-	-	-	-	-	-	-	-	100.3	-	-	-	100.3
Texas	-	-	98.1	-	-	-	-	-	-	-	-	-	98.1
Virginia	-	-	-	-	2.0	-	-	-	-	-	-	-	2.0
Washington	-	-	-	-	57.2	-	-	-	4.0	-	-	8.9	70.1
United States	-	-	-	-	16.9	1,463.1(1)	-	-	-	-	24.8	13.9	1,518.7
Total U.S.A.	4,686.5	536.6	1,054.3	9.9	250.8	1,463.1	521.4	104.1	344.3	254.6	24.8	42.3	9,292.7
Australia	-	-	-	-	17.7	-	-	-	10.2	-	-	-	27.9
Brazil	1.2	-	53.1	-	-	-	-	-	-	-	-	-	54.3
British Honduras	-	-	40.4	-	-	-	-	-	-	-	-	-	40.4
British West Indies	3[illegible].3	-	[illegible].1	[illegible]	-	4,[illegible].6	-	-	-	-	-	-	4,748.0
Cuba	-	-	-	-	-	-	-	-	-	-	-	[illegible].7	157.7
Italy	.5	69.3	-	-	-	-	-	-	-	-	-	-	69.8
Jaffa	-	-	.6	-	-	-	-	-	-	-	-	-	.6
New Zealand	-	-	-	-	369.7	-	-	-	-	-	-	-	369.7
Persia	-	-	-	-	-	-	-	-	-	-	-	-	-
Porto Rico	-	-	-	-	-	-	-	-	-	-	-	25.3	25.3
South Africa	-	-	-	-	-	-	[illegible]	-	-	-	-	-	9.6
South America	-	-	-	-	-	-	[illegible]	-	[illegible]	[illegible]	-	-	38.3
Spanish Honduras	2.4	.4	[illegible]	-	-	-	-	-	-	-	-	-	67.5
Trinidad	-	-	36.3	-	-	-	-	-	-	-	-	-	[illegible]
Total other countries	34.4	69.7	205.2	1.6	387.4	4,706.0	44.6	-	13.2	.3	-	183.0	[illegible].4
Total fruits	4,720.9	606.3	1,259.5	11.5	7,499.1	6,169.1	1,643.2	1,362.0	480.6	421.7	131.0	281.0	24,585.9

(1) Via United States.

Table VIII.- Volume according to Origin of Vegetables, Potatoes and Miscellaneous [illegible] in 1939
(000 lb.)

Origin	Beans	Cabbage	Cauli-flowers	Carrots	Celery	Cucumbers	Lettuce	Onions	Tomatoes	Other vegetables and miscellaneous	Total vegetables and miscellaneous	Potatoes
British Columbia	-	-	-	-	-	[illegible].7	[illegible]	[illegible]	[illegible]	[illegible]	7.8	-
Manitoba	-	-	-	-	-	-	-	-	[illegible]	[illegible]	-	45.5
New Brunswick	-	-	-	-	-	-	-	-	[illegible]	.7	.7	10,095.8
Nova Scotia	-	-	-	[illegible]	-	-	-	-	[illegible]	[illegible]	31.0	-
Ontario	10.[illegible]	[illegible].8	[illegible].1	-	21.5	13.9	.8	1,208.7	427.2	60.9	1,880.5	-
[illegible]	-	-	-	-	-	-	-	-	-	-	-	2,218.0
Quebec	[illegible].5	[illegible].9	76.4	690.3	140.4	143.6	122.2	282.0	793.2	1,161.3	3,959.8	10,909.4
Total Canada	[illegible].2	[illegible].8	[illegible].9	[illegible].3	[illegible].1	[illegible].3	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	29,148.5
Alabama	-	-	-	-	-	[illegible].7	-	-	-	-	[illegible]	17.7
Arizona	-	-	-	60.4	-	-	315.7	-	-	96.3	472.4	-
California	-	26.6	87.7	544.7	510.1	4.8	400.4	2.0	32.4	68.2	1,676.9	-
Colorado	-	-	-	-	-	-	-	1.0	-	.7	1.7	-
Florida	-	-	-	-	125.1	23.3	-	-	1.5	4.4	154.3	-
Idaho	-	-	-	-	-	-	16.5	-	-	-	16.5	-
Illinois	-	-	-	-	-	-	-	29.6	-	-	29.6	-
Indiana	-	-	-	-	-	2.5	-	-	-	-	2.5	-
Louisiana	-	-	-	-	-	2.8	-	-	-	75.2	78.0	-
Maryland	-	-	-	-	-	-	-	-	26.7	.7	27.4	-
Mississippi	-	186.6	-	-	-	-	-	-	116.2	-	302.8	-
New Jersey	-	-	-	1.5	-	-	-	-	-	8.4	9.9	-
New York	-	-	7.6	-	-	-	-	-	7.7	-	15.3	-
Oregon	-	-	-	-	-	-	-	-	-	.4	.4	-
South Carolina	-	-	-	-	-	-	-	-	-	2.6	2.6	-
Tennessee	-	-	-	-	-	-	-	-	[illegible]	-	[illegible]	-
Texas	-	73.9	-	94.9	-	13.9	-	57.4	792.0	121.9	[illegible].4	-
Utah	-	-	-	-	-	-	-	-	-	.3	.3	-
Virginia	-	-	-	-	-	-	-	-	-	25.6	25.6	-
Washington	-	-	-	-	-	-	-	-	-	.2	.2	-
Other U.S.A.	38.1	-	-	-	-	.3	-	2.2	-	58.4	99.0	114.[illegible]
Total U.S.A.	38.2	287.[illegible]	95.3	[illegible].5	[illegible].2	61.3	[illegible].5	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible]
B.W.I.	-	-	-	-	-	[illegible].0	-	-	[illegible]	[illegible].7	[illegible]	-
Cuba	-	-	-	-	-	[illegible]	-	-	[illegible]	[illegible]	[illegible]	-
Egypt	-	-	-	-	-	-	-	[illegible]	-	[illegible]	[illegible]	-
Italy	-	-	-	-	-	-	-	-	[illegible]	[illegible]	[illegible]	-
Mexico	-	-	-	-	-	[illegible]	-	-	9.7	111.8	-	[illegible]
South America	-	-	-	-	-	-	-	[illegible].7	-	8.5	40.2	-
Total other countries	-	-	-	-	-	[illegible].2	-	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	-
Total vegetables and miscellaneous	103.2	[illegible].7	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible]

Table IX.- Value According to Origin of Fresh Fruits Received by Wholesalers in Quebec City in 1939

Origin	Oranges	Lemons	Grape-fruits	Other citrus	Apples	Bananas	Grapes	Peaches	Pears	Plums	Straw-berries	Others	Total
	$	$	$	$	$	$	$	$	$	$	$	$	$
British Columbia	-	-	-	-	25,665	-	-	-	958	958	-	1,773	29,354
New Brunswick	-	-	-	-	23,984	-	-	-	-	-	-	-	23,984
Nova Scotia	-	-	-	-	16,915	-	-	-	-	-	-	937	17,852
Ontario	-	-	-	-	68,984	-	29,063	33,300	2,966	4,241	1,326	1,560	141,440
Quebec	-	-	-	-	21,745	-	-	-	-	916	3,995	121	26,777
Total Canada	-	-	-	-	157,293	-	29,063	33,300	3,924	6,115	5,321	4,391	239,407
Arkansas	-	-	-	-	-	-	-	529	-	-	-	-	529
Arizona	-	-	31	-	-	-	-	-	-	-	-	-	31
California	202,342	30,268	2,141	75	-	-	32,136	5,170	14,076	13,268	-	1,783	301,259
Delaware	-	-	-	-	3,810	-	-	-	-	-	-	-	3,810
Florida	2,051	-	29,884	497	-	-	-	-	-	-	-	-	32,432
Illinois	-	-	-	-	1,577	-	-	-	-	-	-	-	1,577
Oregon	-	-	-	-	-	-	-	-	5,448	-	-	-	5,448
Texas	-	-	3,344	-	-	-	-	-	-	-	-	-	3,344
Virginia	-	-	-	-	77	-	-	-	-	-	-	-	77
Washington	-	-	-	-	3,000	-	-	-	191	-	-	985	4,176
United States	-	-	-	-	645	63,742(1)	-	-	-	-	2,802	1,484	68,673
Total U.S.A.	204,393	30,268	35,400	572	9,109	63,742	32,136	5,699	19,715	13,268	2,802	4,252	421,356
Australia	-	-	-	-	951	-	-	-	843	-	-	-	1,794
Brazil	49	-	1,503	-	-	-	-	-	-	-	-	-	1,552
British Honduras	-	-	1,386	-	-	-	-	-	-	-	-	-	1,386
British West Indies	1,062	-	322	124	-	177,243	-	-	-	-	-	-	178,751
Chile	-	-	-	-	-	-	-	-	-	-	-	3	3
Cuba	-	-	-	-	-	-	-	-	-	-	-	5,906	5,906
Italy	35	2,549	-	-	-	-	-	-	-	-	-	-	2,584
Jaffa	-	-	24	-	-	-	-	-	-	-	-	-	24
New Zealand	-	-	-	-	16,649	-	-	-	-	-	-	-	16,649
Persia	-	-	-	2	-	-	-	-	-	-	-	-	2
Porto Rico	-	-	-	-	-	-	-	-	-	-	-	857	857
South Africa	-	-	-	-	-	-	1,293	-	-	-	-	-	1,293
South America	-	-	-	-	-	-	4,416	-	198	30	-	-	4,644
Spanish Honduras	85	29	2,508	-	-	-	-	-	-	-	-	-	2,622
Trinidad	-	-	1,361	-	-	-	-	-	-	-	-	-	1,361
Total other countries	1,231	2,578	7,104	126	17,600	177,243	5,709	-	1,041	30	-	6,766	219,428
Grand total	205,624	32,846	42,504	698	184,002	240,985	66,908	38,999	24,680	19,413	8,123	15,409	880,191

(1) Via United States.

Table X.- Value According to Origin of Fresh Vegetables, Potatoes and Miscellaneous Products Received by Wholesalers in Quebec City in 1939

Origin	Beans	Cabbage	Cauli-flowers	Carrots	Celery	Cucumbers	Lettuce	Onions	Tomatoes	Other vegetables and miscellaneous	Total vegetables and miscellaneous	Potatoes	Grand total
	$	$	$	$	$	$	$	$	$	$	$	$	$
British Columbia	-	-	-	-	-	233	24	41	14	-	312	-	312
Manitoba	-	-	-	-	-	-	-	-	-	-	-	800	800
New Brunswick	-	-	-	-	-	-	-	-	-	109	109	139,829	139,938
Nova Scotia	-	-	-	408	-	-	-	-	-	-	408	-	408
Ontario	509	2,919	506	-	668	937	32	21,068	17,777	2,812	47,390	-	47,390
P. E. I.	-	-	-	-	-	-	-	-	-	-	-	33,264	33,264
Quebec	2,158	6,170	1,910	7,834	4,189	5,481	3,390	2,906	12,985	14,204	63,036	146,340	209,376
Total Canada	2,667	9,089	2,416	8,242	4,857	6,711	3,446	27,714	12,776	17,125	111,255	320,233	431,488
Alabama	-	-	-	-	-	1,434	-	-	-	-	1,434	-	1,434
Arizona	-	-	-	2,002	-	-	11,782	-	-	4,862	18,646	-	18,646
California	-	895	4,162	19,344	24,729	471	18,427	73	2,316	3,914	74,061	-	74,061
Colorado	-	-	-	-	-	-	-	33	-	62	95	-	95
Florida	-	-	-	-	5,084	2,116	-	-	78	354	7,632	-	7,632
Idaho	-	-	-	-	-	-	922	-	-	-	922	-	922
Illinois	-	-	-	-	-	-	-	1,026	-	-	1,026	-	1,026
Indiana	-	-	-	-	-	127	-	-	-	-	127	-	127
Louisiana	-	-	-	-	-	100	-	-	-	3,975	4,075	-	4,075
Maryland	-	-	-	-	-	-	-	1,246	24	-	1,270	-	1,270
Mississippi	-	5,289	-	-	-	-	-	6,701	-	-	11,990	-	11,990
New Jersey	-	-	-	45	-	-	-	-	398	-	443	-	443
New York	-	-	389	-	-	-	-	-	599	-	988	-	988
Oregon	-	-	-	-	-	-	-	-	-	26	26	-	26
South Carolina	-	-	-	-	-	-	-	-	106	-	106	-	106
Tennessee	-	-	-	-	-	-	-	8,872	-	-	8,872	-	8,872
Texas	-	2,624	-	3,915	-	1,131	-	1,751	52,085	5,465	66,971	-	66,971
Utah	-	-	-	-	-	-	-	-	-	29	29	-	29
Virginia	-	-	-	-	-	-	-	-	-	923	923	-	923
Washington	-	-	-	-	-	-	-	-	-	8	8	-	8
Other U.S.A.	3,159	-	-	-	-	10	-	1,249	-	2,850	7,268	2,425	9,694
Total U.S.A.	3,159	8,808	4,551	25,306	29,813	5,361	31,131	21,952	55,997	22,708	206,882	2,425	209,308
B.W.I.	-	-	-	-	-	67	-	-	2,106	1,256	33,429	-	33,429
Cuba	-	-	-	-	-	42	-	-	1,997	18	6,052	-	6,052
Egypt	-	-	-	-	-	-	-	5,068	-	-	5,068	-	5,068
Italy	-	-	-	-	-	-	-	-	-	465	465	-	465
Mexico	-	-	-	-	-	-	-	-	7,439	737	8,176	-	8,176
South America	-	-	-	-	-	-	-	1,111	-	508	1,619	-	1,619
Total other countries	-	-	-	-	-	109	-	6,179	47,542	3,184	54,809	-	54,809
Grand total	5,826	17,897	6,967	33,548	34,670	12,181	34,577	35,845	43,960	41,410	372,946	322,658	695,605

Table XI. - Origin of Arrivals of Fresh Fruits and Vegetables by Carlot in Quebec City in 1939

Commodity	Origin	Weight	Total weight	Value	Total value
		000 lb.	000 lb.	$	$
Vegetables					
Beans	U.S.A.	-	0.5	-	46
Beets	Texas	-	6.7	-	306
Cabbage	Ont.	105.9	-	2,374	-
	Que.	2.0	-	25	-
	Cal.	26.6	-	895	-
	Miss.	175.4	-	4,836	-
	Texas	54.2	364.1	1,926	10,056
Cantaloupes	Ont.	10.0	-	290	-
	Ariz.	45.7	55.7	1,871	2,161
Carrots	N.S.	31.0	-	408	-
	Que.	9.2	-	84	-
	Ariz.	60.4	-	2,002	-
	Cal.	514.7	-	18,183	-
	Texas	80.9	696.2	3,432	24,109
Celery	Cal.	489.9	-	23,565	-
	Fla.	100.6	590.5	4,045	27,610
Cucumbers	Texas	-	2.6	-	200
Herbs	U.S.A.	-	2.0	-	111
Lettuce	Ariz.	311.9	-	11,614	-
	Cal.	304.4	616.3	13,484	25,098
Onions	Ont.	989.3	-	17,255	-
	Que.	38.5	-	749	-
	Ill.	29.5	-	1,025	-
	Texas	40.4	1,097.7	1,080	20,109
Peas	Texas	-	.3	-	19
Peppers	Ont.	-	.1	-	8
Radishes	Texas	-	9.1	-	531
Shallots	La.	-	40.5	-	2,090
Spinach	Texas	-	16.7	-	699
Tomatoes	Ont.	173.3	-	5,189	-
	Md.	20.8	-	914	-
	Miss.	106.4	-	5,994	-
	Tenn.	165.6	-	8,695	-
	Texas	766.1	-	50,133	-
	W.I.	471.8	-	26,672	-
	Cuba	51.8	-	3,953	-
	Mex.	73.6	1,829.4	5,181	106,731
Turnips	Texas	-	.3	-	9
Other vegetables	U.S.A.	-	3.2	-	157
Potatoes	Man.	45.5	-	800	-
	N.B.	10,095.0	-	188,815	-
	P.E.I.	1,995.4	-	29,675	-

Table XI.- (Continued) Origin of Arrivals of Fresh Fruits and Vegetables by Carlot in Quebec City in 1939

Commodity	Origin	Weight	Total weight	Value	Total value
		000 lb.	000 lb.	$	$
	Que.	3,205.4	-	46,930	-
	Imported	98.8	15,440.1	1,952	219,172
Total vegetables and potatoes			20,772.0		439,232
Citrus fruits					
Oranges	Cal.	-	4,360 3	-	188,512
Lemons	Italy	-	68.0	-	2,483
Grapefruits	Fla.	722.8	-	23,271	-
	Texas	75.5	798.3	2,427	25,698
Tangerines	Fla.	-	3.1	-	190
Deciduous fruits					
Apples	B.C.	564.0	-	22,165	-
	N.B.	1,082.7	-	23,984	-
	N.S.	1,087.9	-	16,734	-
	Ont.	2,634.8	-	58,125	-
	Que.	38.8	-	968	-
	Del.	120.0	-	3,573	-
	Ill.	25.3	-	795	-
	N.Z.	358.5	5,912.0	16,125	142,469
Bananas	Via U.S.A.	1,463.1	-	63,742	-
	W.I.	4,705.7	6,168.8	177,232	240,974
Cherries	Ont.	-	.2	-	9
Grapes	Ont.	1,073.3	-	28,955	-
	Cal.	383.9	1,457.2	22,458	51,413
Peaches	Ont.	1,236.3	-	32,635	-
	Cal.	27.6	1,263.9	1,336	33,971
Pears	Ont.	105.1	-	2,930	-
	Cal.	170.0	-	9,799	-
	Oregon	72.0	347.1	3,807	16,536
Plums	Ont.	117.2	-	3,931	-
	Cal.	180.8	298.0	8,587	12,518
Pineapples	Cuba	-	74.4	-	3,014
Miscellaneous					
Nuts	W.I.	-	61.6	-	1,183
Mixed cars	Montreal	-	1,874.8	-	79,814
Total			43,459.7		1,238,016

Table XII.- Value and Volume of Fresh Fruits and Vegetables by County, Sold by [illegible] Growers Selling Fresh Fruits and Vegetables on the Markets in Quebec City in 1939

Commodity	Québec County (47 growers)		Montmorency County (49 growers)		Portneuf County (12 growers)		Lévis County (21 growers)		[illegible] County (30 growers)	
	Volume	Value	Volume	Value	Volume	Value	Volume			
	000 lb.	$	000 lb.	$	000 lb.	$	000 lb.			
Asparagus	1.9	24	-	-	0.5	60	-			
Beans	49.7	1,158	0.5	15	6.1	233	0.6			
Cabbage	512.7	5,192	28.1	324	21.9	371	0.5			
Carrots	471.4	7,396	11.4	116	153.3	1,956	6.9			
Cauliflower	110.2	2,413	-	-	8.3	301	-			
Celery	58.3	2,430	0.8	22	9.2	430	-			
Corn	504.1	6,597	11.5	226	79.2	1,199	0.8			
Cucumbers	90.4	1,786	2.6	56	4.7	67	2.1			
Lettuce	274.4	6,887	2.4	40	33.8	796	-			
Onions	155.5	5,509	94.2	1,675	69.3	2,028	0.3			
Radishes	36.5	2,315	-	-	-	-	-			
Tomatoes	62.2	848	133.0	1,765	162.0	2,257	10.8			
Turnips	282.2	2,866	63.7	754	28.0	212	4.5			
Other vegetables	750.7	12,771	38.2	659	114.1	2,054	10.6	134		
Total vegetables	3,360.2	58,192	386.5	5,652	690.4	11,964	37.2	584		
Raspberries	4.5	268	78.1	3,267	0.1	4	0.4			
Strawberries	4.2	230	414.5	14,434	9.2	401	63.9			
Other small fruits	-	-	-	-	0.1	3	-			
Total small fruits	8.7	498	492.6	17,701	9.4	408	64.3			
Apples	9.3	135	460.0	7,795	2.5	50	46.4			
Other tree fruits	-	-	1.5	45	-	-	-			
Total tree fruits	9.3	135	461.5	7,840	2.5	50	46.4			
Potatoes	572.5	7,430	1,331.3	18,109	15.5	200	[illegible]			
Grand total	3,950.7	66,263	2,671.9	49,302	717.8	12,622	361.7			

Table XII-A.- Value and Volume of Fresh Fruits and Vegetables by County, Sold by 191 Growers Selling Fresh Fruits and Vegetables on the Markets in Quebec City in 1939

Commodity	Bellechasse County (14 growers)		Megantic County (10 growers)		[illegible] County (8 growers)		(191 growers)	
	Volume	Value	Volume	Value				
	000 lb.	$	000 lb.					
Asparagus	-	-	-	-	-	-	2.4	3
Beans	-	-	-	-	0.1	2	60.9	1,[illegible]
Cabbage	-	-	-	-	-	-	[illegible].0	5,[illegible]
Carrots	0.6	5	-	-	0.3	3	647.7	[illegible],611
Cauliflower	-	-	-	-	-	-	118.5	[illegible],
Celery	-	-	-	-	-	-	68.3	2,[illegible]
Corn	-	-	-	-	-	-	593.7	[illegible],
Cucumbers	-	-	-	-	-	-	99.9	1,
Lettuce	-	-	-	-	-	-	311.0	7,
Onions	-	-	-	-	-	-	321.5	9,
Radishes	-	-	-	-	-	-	36	
Tomatoes	-	-	-	-	-	-	368.4	
Turnips	[illegible]	[illegible]	-	-	[illegible]	[illegible]	[illegible]	
Other vegetables	[illegible]	[illegible]	-	-	[illegible]	[illegible]	[illegible]	
Total vegetables	19.3	196	-	-	1.0	10	4,[illegible]3.4	
Raspberries	-	-	-	-	-	-	86.0	3,
Strawberries	8.7	458	-	-	-	-	513.7	18,[illegible]4
Other small fruits	2.4	120	-	-	-	-	2.7	[illegible]
Total small fruits	11.1	578	-	-	-	-	602.4	22,[illegible]4
Apples	0.6	12	-	-	-	-	544.3	9,60
Other tree fruits	-	-	-	-	-	-	1.5	45
Total tree fruits	0.6	12	-	-	-	-	[illegible]	9,647
Potatoes	108.0	1,370	124.3	1,673	3.4	40	[illegible]	[illegible]
Grand total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table XIII.- Monthly Number and Value of Loads of All Commodities by County Brought to Quebec Markets by 191 Growers in 1939

	Quebec	Montmorency	Portneuf	Levis	Lotbiniere	Bellechasse	Megantic	Dorchester	Total	Percentage Per month	Percentage Per season
										%	%
Number of loads											
January	20	16	-	23	10	9	4	8	90	1.3)	
February	21	29	-	26	12	8	4	10	110	1.6)	5.2
March	45	24	-	39	20	6	4	17	155	2.3)	
April	93	52	2	46	31	30	4	26	284	4.3)	
May	178	90	6	66	71	37	19	32	499	7.5)	21.8
June	273	110	33	85	84	35	16	34	670	10.0)	
July	352	372	56	174	131	38	16	32	1,171	17.6)	
August	375	170	93	90	123	36	20	32	939	14.1)	46.4
September	358	209	91	95	126	41	31	32	983	14.7)	
October	292	208	54	93	108	42	27	30	854	12.8)	
November	190	117	28	82	76	34	18	26	571	8.6)	26.6
December	120	49	2	57	52	32	15	20	347	5.2)	
Total	2,317	1,446	365	876	844	348	178	299	6,673	100.0	100.0
	$	$	$	$	$	$	$	$	$	%	%
Value of loads											
January	279	545	-	518	221	241	160	260	2,224	1.1)	
February	304	784	-	750	562	221	160	285	3,066	1.6)	5.1
March	904	874	-	1,275	807	206	160	471	4,697	2.4)	
April	2,078	1,361	20	1,519	1,138	959	160	726	7,961	4.1)	
May	4,099	2,139	60	2,084	2,119	1,271	1,027	1,046	13,845	7.1)	20.7
June	6,651	2,730	664	2,620	2,398	1,439	945	1,011	18,458	9.5)	
July	9,917	9,919	1,397	4,171	3,557	1,840	957	866	32,624	16.8)	
August	12,010	4,593	2,244	2,811	3,441	1,698	1,057	886	28,740	14.8)	46.7
September	10,361	6,044	2,206	3,204	3,414	1,893	1,354	882	29,358	15.1)	
October	7,617	5,925	1,189	2,855	3,326	2,013	1,246	866	25,037	12.9)	
November	4,589	3,514	777	2,367	2,286	1,690	1,061	795	17,080	8.8)	27.5
December	2,804	1,732	40	1,803	1,770	1,535	993	612	11,288	5.8)	
Total	61,613	40,160	8,597	25,977	25,039	15,006	9,280	8,706	194,378	100.0	100.0

Table XIV.- Volume and Value of Fresh Fruits and Vegetables Sold by All Growers Selling on the Public Markets of Quebec City in 1939(1)

Commodity	Total sales		Percentage		Percentage	
	Volume	Value	Volume	Value	Volume	Value
	000 lb.	$	%	%	%	%
Beans	257.2	3,868	3.2	2.3	-	-
Beets, bunched	258.6	6,467	3.2	3.8	-	-
Beets, bagged	288.4	3,461	3.6	2.0	-	-
Brussel sprouts	20.1	2,091	.2	1.2	-	-
Cabbage	1,297.3	12,973	16.1	7.7	-	-
Cantaloupes	7.1	355	.1	.2	-	-
Cauliflowers	148.9	5,954	1.8	3.5	-	-
Celery	158.1	6,323	2.0	3.7	-	-
Corn	595.1	17,852	7.4	10.5	-	-
Cucumbers	213.5	4,269	2.6	2.5	-	-
Carrots, bunched	612.6	15,315	7.5	9.0	-	-
Carrots, bagged	483.0	5,794	6.0	3.4	-	-
Leeks	410.1	8,203	5.1	4.8	-	-
Lettuce	579.0	16,962	7.2	10.0	-	-
Onions, green	157.0	10,985	1.9	6.5	-	-
Onions, dry	428.3	9,424	5.3	5.6	-	-
Radishes	78.1	5,078	1.0	3.0	-	-
Rhubarb	111.0	3,330	1.4	2.0	-	-
Shallots	112.0	5,599	1.4	3.3	-	-
Tomatoes	748.7	11,231	9.3	6.6	-	-
Turnips	897.3	8,973	11.1	5.3	-	-
Other vegetables	214.7	5,052	2.6	3.1	-	-
Total vegetables	8,076.1	169,559	100.0	100.0	50.0	53.4
Potatoes	8,068.4	78,377	100.0	100.0	37.6	24.7
Apples	1,053.0	21,063	99.5	99.5	-	-
Other tree fruits	4.9	99	.5	.5	-	-
Total tree fruits	1,057.9	21,162	100.0	100.0	6.6	6.7
Strawberries	794.8	39,741	84.7	82.2	-	-
Other small fruits	143.0	8,614	15.5	17.8	-	-
Total small fruits	937.8	48,355	100.0	100.0	5.8	15.2
Grand total	16,140.2	317,453	100.0	100.0	100.0	100.0

(1) Based on information from 191 growers.

Table XV.- Total Sales of Fresh Fruits and Vegetables by Growers Not Selling on the Public Markets but Selling in Quebec City in 1939(1)

Commodity	Total sales		Percentage of group		Percentage of total	
	Volume	Value	Volume	Value	Volume	Value
	000 lb.	$	%	%	%	%
Beans	114.5	3,504	1.2	3.1	-	-
Beets, bunched	-	-	-	-	-	-
Beets, bagged	148.4	1,798	1.6	1.6	-	-
Brussel sprouts	-	-	-	-	-	-
Cabbage	873.6	10,770	9.3	9.6	-	-
Cantaloupes	152.6	2,200	1.6	2.0	-	-
Cauliflowers	372.1	3,687	3.9	3.3	-	-
Celery	218.3	6,587	2.3	5.8	-	-
Corn	464.5	5,656	4.9	5.0	-	-
Cucumbers	303.0	7,621	3.2	6.8	-	-
Carrots, bunched	-	-	-	-	-	-
Carrots, bagged	1,051.9	13,571	11.1	12.0	-	-
Leeks	18.8	344	.2	.3	-	-
Lettuce	1,556.0	8,074	16.5	7.2	-	-
Onions, green	520.2	2,041	5.5	1.8	-	-
Onions, dry	570.5	7,061	6.0	6.3	-	-
Radishes	181.3	1,239	1.9	1.1	-	-
Rhubarb	23.4	381	.3	.3	-	-
Shallots	-	-	-	-	-	-
Tomatoes	989.5	16,855	10.5	14.9	-	-
Turnips	1,190.2	8,449	12.6	7.5	-	-
Other vegetables	699.0	12,904	7.4	11.4	-	-
Total vegetables	9,447.8	112,752	100.0	100.0	34.4	30.1
Potatoes	16,579.3	224,708	100.0	100.0	60.4	59.9
Apples	1,024.8	22,407	98.1	96.0	-	-
Other tree fruits	20.6	944	1.9	4.0	-	-
Total tree fruits	1,045.4	23,351	100.0	100.0	3.8	6.2
Strawberries	388.3	9,180	73.4	63.7	-	-
Other small fruits	104.5	5,234	26.6	36.3	-	-
Total small fruits	592.8	14,414	100.0	100.0	1.4	3.8
Grand total	27,465.3	375,225	100.0	100.0	100.0	100.0

(1) Net sales purchases of Quebec wholesalers from growers through Montreal wholesalers.

Table XVI.- Sales of Fresh Fruits and Vegetables of All Local Growers in Quebec City in 1939

Commodity	Market sales		Sales to wholesalers (1)		Sales to others		Total sales of growers		Percentage of group		Percentage of grand total	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
	000 lb.	$	000 lb.	$	000 lb.	$	000 lb.	$	%	%	%	%
Beans	236.3	3,545	59.5	2,158	75.9	1,669	371.7	7,372	2.2	2.6	-	-
Beets, bunched	241.2	6,031	-	-	17.4	436	258.6	8,467	1.5	2.3	-	-
Beets, bagged	250.2	3,003	95.8	1,226	90.8	1,030	436.8	5,259	2.5	1.9	-	-
Brussel sprouts	17.8	1,852	-	-	2.3	239	20.1	2,091	.1	.7	-	-
Cabbage	1,094.0	10,940	490.9	6,171	586.0	6,632	2,170.9	23,743	12.3	8.4	-	-
Cantaloupes	1.8	92	6.2	268	151.7	2,195	159.7	2,555	.9	.9	-	-
Cauliflowers	129.4	5,175	76.4	1,910	315.2	2,556	521.0	9,641	3.0	3.4	-	-
Celery	136.1	5,443	140.4	4,189	99.9	3,288	376.4	12,920	2.1	4.6	-	-
Corn	529.1	15,874	61.3	1,245	469.2	6,389	1,059.6	23,508	6.0	8.3	-	-
Cucumbers	154.1	3,082	143.6	5,481	218.8	3,327	516.5	11,890	2.9	4.2	-	-
Carrots, bunched	527.6	13,189	-	-	85.0	2,126	612.6	15,315	3.6	5.4	-	-
Carrots, bagged	381.0	4,572	690.3	7,834	463.6	6,959	1,534.9	19,365	8.8	6.9	-	-
Leeks	360.3	7,207	-	-	68.6	1,340	428.9	8,547	2.4	3.0	-	-
Lettuce	481.5	14,444	122.2	3,390	1,531.3	7,202	2,135.0	24,036	12.2	8.9	-	-
Onions, green	132.5	9,273	-	-	544.7	3,753	677.2	13,026	3.9	4.6	-	-
Onions, dry	308.7	6,792	282.0	6,005	408.1	3,688	998.8	16,485	5.7	5.8	-	-
Radishes	64.3	4,179	3.3	192	191.8	1,946	259.4	6,317	1.5	2.3	-	-
Rhubarb	100.4	3,012	-	-	34.0	699	134.4	3,711	.8	1.4	-	-
Shallots	94.0	4,699	8.3	141	9.7	759	112.0	5,599	.6	2.0	-	-
Tomatoes	602.3	9,034	793.2	13,695	342.7	5,357	1,738.2	28,086	9.9	9.9	-	-
Turnips	654.6	6,546	848.6	4,851	584.3	6,025	2,087.5	17,422	11.9	6.2	-	-
Other vegetables	156.2	3,909	137.8	4,280	619.7	9,767	913.7	17,956	5.2	6.3	-	-
Total vegetables	6,653.4	141,893	3,959.8	63,036	6,910.7	77,382	17,523.9	282,311	100.0	100.0	40.2	40.8
Potatoes	5,532.1	69,152	10,909.4	146,340	6,206.2	87,593	22,647.7	303,085	100.0	100.0	51.9	43.8
Apples	934.1	18,682	982.5	21,745	161.2	3,043	2,077.8	43,470	98.8	97.7	-	-
Other tree fruits	4.9	99	20.1	916	.5	28	25.5	1,043	1.2	2.3	-	-
Total tree fruits	939.0	18,781	1,002.6	22,661	161.7	3,071	2,103.3	44,513	100.0	100.0	4.8	6.4
Strawberries	422.1	21,106	92.4	3,995	568.6	23,820	1,083.1	48,921	81.4	77.8	-	-
Other small fruits	79.8	4,510	2.4	121	165.3	9,217	247.5	13,848	18.6	22.2	-	-
Total small fruits	501.9	25,616	94.8	4,116	733.9	33,037	1,330.6	62,769	100.0	100.0	3.1	9.0
Grand total	13,624.4	255,442	15,966.6	236,153	14,012.5	201,083	43,605.5	692,678	100.0	100.0	100.0	100.0

(1) Includes purchases of Quebec wholesalers from growers through Montreal wholesalers.

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